The
CHEMIST AND DRUGGIST
for RETAILER — WHOLESALER — MANUFACTURER
NOVEMBER 25, 1950

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The

CHEMIST AND DRUGGIST

for RETAILER—WHOLESALER—MANUFACTURER

NOVEMBER 25, 1950

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NEWS OF THE WEEK

lodel Safety Rules.—The Association British Chemical Manufacturers has d a first supplement to their booklet lodel Safety Rules for Use in Chemical rks." It incorporates the changes made ssary by the Factories Act, 1948.

Manx Chemists' Dispute. — The Manx mists' Association, in a letter to the lth Services Board on November 20, d that they would be willing to resume lth Service dispensing immediately if Board will give three months' notice m October 1) of the changes in their ns of service.

Penicillin Act Amendment Bill. — On vember 14 a Bill was presented in the use of Lords to make supplies of peni- n available for treatment of crews of chant ships not having a doctor on rd. The Bill provides for masters of h ships to obtain supplies of penicillin part of the medical stores that, under Merchant Shipping Act, 1894, are re- red to be kept. The person authorised use the penicillin is the master of the p or someone under his direction.

Cotton Wool Prices Again Advance.—The prices of cotton wool (B.P.C. and hospital qualities), grey and boric wools, gauze and cotton tissue (B.P.C. and hospital qualities), are to be advanced from November 27. The following are examples of the wholesaler's price to retailer (per lb.) from that date: Cotton wool, B.P.C. (not interleaved), 16 oz., 6s. 3¼d.; 4 oz., 6s. 7¾d.; 10z., 7s. 7¼d.; cotton wool, hospital quality, 16 oz. (not interleaved), 4s. 11½d.; gauze and cotton tissue, B.P.C., 16 oz., 7s. 3½d.; 1 oz., 8s. 7½d.

Drug Definition Amendments. — The following amendments to the first report of the Definition of Drugs Joint Subcommittee (see *C. & D.*, May 20, p. 644) have been advised to executive councils:—

Delete "Trufood Prosol" from paragraph A (i) and include it in paragraph B (i).

Substitute as follows for the heading to the paragraph B (i):—

"Preparations for the treatment of allergy and diseases such as sprue, coeliac disease, infantile gastro-enteritis."

Delete "Numol" from paragraph A (i) and include it in paragraph A (ii).

Festival Science.—In connection with the Festival of Britain an Exhibition of Science will be held at the Science Museum, South Kensington, London, S.W.7, May 3-September 30, 1951. The price of admission will be 4s. on Tuesdays and 2s. on all other days.

Doctors and N.H.S. — The General Medical Services Committee has protested to the Minister of Health at the time taken for an inquiry into the earnings and practice expenses of doctors in the National Health Service. The British Medical Association hoped that the inquiry would be completed by November, and that the information would support their claim for a higher cost-of-living bonus. The Fellowship for Freedom in Medicine has declared that it will support "any strong action the B.M.A. might take to secure a settlement on remuneration."

Science Centre for London.—Mr. Herbert Morrison (Lord President of the Council) announced in the House of Commons on November 22 that a start would be made towards establishing a science centre in London so soon as possible. Within the centre new accommodation will be built for the Royal Society (who originated the long-term proposal for the scheme) and for a number of other leading scientific societies with their special libraries. It will also include the Patent Office and its library which will be modernised and extended, new offices for the Department of Scientific and Industrial Research, and other Government scientific organisations. An announcement on the selection of a site will be made in the New Year.

Association of British Pharmaceutical Industry.—At the half-yearly meeting of the Association of British Pharmaceutical Industry, held at Buxton, recently, the president (Mr. J. C. Hanbury), reported on the sequence of events following publication of the second interim report on prescribing (see *C. & D.*, July 8, p. 45), and outlined the attitude of the Ministry of Health. The meeting rejected the claim of the Board of Trade that no danger to the overseas reputations of British pharmaceutical products could arise from the recommendations, pointing out that harm was inevitably caused by the attendant publicity when the report first appeared. The Association asked for an assurance that it would be consulted if any similar action were contemplated in the future. Mr. R. L. Taylor was elected a trustee.

School of Pharmacy.—The 109th se sion of the School of Pharmacy of t University of London was formally open recently, Sir Henry Jephcott presi ing. The Dean of the College (Professor Berry) in a report on the 1949-50 sessio said that the new honours degree was w under way. The six students from t School had been successful, three receivi first-class honours. A laboratory had be equipped for pharmaceutical engineerir There had been a marked development the requests from overseas to underta the training of teachers of pharmacy. students from China had graduated Bachelors of Pharmacy during t year. Three of them had continu as post-graduate research students a obtained the Ph.D. degree. The De welcomed to the School Miss D. Lar (lecturer in pharmaceutics, Univ sity of Sydney) who is to study the Scho method of teaching. Sir Frederick R (a former principal, University Colle Cardiff), gave the inaugural address, spe ing on the development of universities. vote of thanks to Sir Frederick Bain w proposed by Sir Percival Hartl C.B.E. (formerly Director, Biological St dards, Medical Research Council), a seconded by Mr. Alan Ritchie (preside Students' Union).

LOCAL NEWS

Motor Lorry Hits Pharmacy.—Bott of drugs and dispensing apparatus at pharmacy of J. W. Deakin, Ltd., Wit Street, Northwich, were smashed recen when girders loaded on a motor lorry pe trated the gable end of the premises.

Works Rebuilding. — The foundat stone for the new Vernon works of Sallis, Ltd., Basford, Nottingham (to place works destroyed by fire a year (see *C. & D.*, 1949, **11**, 523), was l by Mr. E. Sallis, sen., on October 18.

Health Centre Plans Modified.—A meeting of the Manchester Corporat Health Committee held on November it was announced that the Ministry Health was prepared to authorise the penditure of not more than £60,000 o health centre at Wythenshaw. The Mi try rejected the original scheme, wh would have cost £160,000.

Weston-super-Mare Officers. — At annual meeting of the Weston-super-M Pharmaceutical Association held recen

he following officers were elected: *Chairman,* Mrs. M. K. Wadham; *Vice-chairman,* Mr. W. M. Bowen; *Secretary,* Mr. E. H. ake, Worle Pharmacy, Weston-super-Mare; *Treasurer,* Mr. H. S. Bailey, Weston-super-Mare. The social committee reported disappointment at the response of members at functions organised during the year. The meeting decided that the weekly advertising of the rota in the local Press should continue.

Branch Dinner at Aberystwyth. — The annual dinner of the Cardiganshire Branch of the Pharmaceutical Society was held at Aberystwyth recently, after a reception by the chairman (Colonel B. Taylor-Lloyd, O.B.E., M.C., J.P.) and Mrs. Lloyd. The toast "The Pharmaceutical Society" was proposed by the chairman, and responded to by Mr. G. Hywel Hughes, Colwyn Bay (a member of the Society's Council). Other speakers were Mr. J. Kenyon Davies, Messrs. D. E. Jones and Miall Jones, Alderman J. John, Councillor E. J. Thomas, and Messrs. Gwyn Martin and B. Hutchings (Clerk to the county Executive Council). A collection on behalf of the Society's Benevolent Fund realised £6.

A Lecture on Detergents.—The London and South-eastern Counties Section of the Royal Institute of Chemistry opened its autumn session with a meeting at Gravesend at which Mr. J. S. Meredith (Shell Chemicals, Ltd.) spoke on "Some Practical Applications of New Detergents." Their true value, he said, could now be assessed in this country for the first time, since the end of soap rationing had placed them in a competitive level with normal soap. In view of their undoubted advantages, particularly in hard water districts, the manufacturers had no fears for the future. Mr. Meredith quoted experiments to prove that detergents in normal use were non-toxic. In his experience alleged skin reactions were due to misuse of the material.

Presentation and Dinner.—At the annual dinner and dance of the Reigate and Redhill Branch of the Pharmaceutical Society, recently, Mr. A. M. Worfolk (one of the oldest members of the Branch) presented a barometer and fitted dressing case to the chairman (Mr. F. G. Lewis). Mr. Lewis, he said, had previously occupied the chair of the Branch and had been its treasurer and formerly secretary for eleven years. After thanking the members, Mr. Lewis proposed the toast "The Pharmaceutical Society" to which Mr. A. A. Meldrum (president of the Society) responded. Other speakers included Messrs. H. B. Mackie (president, Brighton and Hove Pharmacists' Association), T. T. A. Jackson, T. R. Gover and Dr. J. H. Lankester (chairman, Reigate division, British Medical Association).

Edgware Address on N.H.S. — At a joint meeting of the Hendon and Edgware Branches of the Pharmaceutical Society and National Pharmaceutical Union recently, Mr. J. Wright, Ph.C. (assistant secretary, N.P.U.), spoke on aspects of the National Health Service. He announced that, as a result of representations made to the Ministry of Health, the list of advertised proprietaries recently sent to all doctors (see *C. & D.*, September 16, p. 337) was also to be sent to chemists. He thought that the type of machinery for dealing with excessive prescribing used under the National Health Insurance might check excessive prescribing under N.H.S. To make use of that machinery, the average cost per prescription in each area had to be determined and that could not be done until full costing was carried out. More accommodation for pricing staffs, with at least two new pricing bureaux, was needed. Where chemists were required to price an E.C.10 form, the entry should be accurate, otherwise it hindered the pricing clerk. The response to the questionnaire on containers circulated to chemists had been good and it was hoped to present a strong case for an increase in the container fee. In answer to questions, Mr. Wright said he did not think the Australian system of providing a book of "prescribable substances" would work satisfactorily in this country.

IRISH NEWS

Film Show.—A meeting of members of the Pharmaceutical Society of Northern Ireland in Belfast on November 13 saw the film "Birth of a Drug."

Pharmacist Prizewinner. — In a Civic Week window dressing competition held at Rathdowney, Leix, Eire, recently, the first prize was awarded to Mr. Michael F. Flynn, M.P.S.I., Rathdowney.

Dublin Blood Donors. — Over fifty members of the staff of P. C. Cahill & Co., Ltd., Dublin, responded to an appeal by the Blood Transfusion Association to act as blood donors.

Examination Results. — The following candidates who entered for the October Registered Druggists' examination of the Pharmaceutical Society of Ireland were successful:—Arthur J. Allen, John C. Casserley, Patrick F. Connaughton, Francis Dwane and Liam E. O'Leary.

Ulster Chemists' Association.—At the seventh annual meeting of the Associates' Section of the Ulster Chemists' Association held in Belfast on November 2 the chairman (Mr. E. B. Williamson) asked members to support the Local Pharmaceutical Committee in negotiations with the Ministry of Health and called for suggestions to strengthen the section. The meeting resolved to organise a vigorous recruiting drive. Messrs. J. Caldwell and C. A. Quinn (president and vice-president of the Ulster Chemists' Association) were present. At the monthly meeting of the executive committee of the Ulster Chemists' Association on October 31, the president (Mr. J. Caldwell) welcomed Messrs. W. L. McDonnell, M. C. Mooney and A. Templeton on their first attendance as members. Messrs. J. Donaghy, Garvagh, and R. J. McNeill, Kilrea, were elected members of the Association, and the secretary (Miss A. E. Strachan) was instructed to ask the Chamber of Trade and the National Pharmaceutical Union to recommend that a rebate of purchase tax should be allowed on breakages and fragile goods. Mr. P. R. W. Shinner gave notice of a motion to be put at the annual meeting (due to be held on November 22) that if not already a member of the Executive Committee, the president of the Pharmaceutical Society of Northern Ireland should be elected an honorary member for the term of his office. It was recommended that the subscription for the year should be fixed at £2 2s. for members, £2 2s. for branch shops, and £1 1s. for Registered Druggists.

PIONEER MEDICAL WOMEN

Addressing the opening meeting of the session of the National Association of Women Pharmacists in London on October 4, Professor Winifred Cullis, O.B.E., M.A., D.Sc., LL.D. (Emeritus Professor of Physiology, University of London) spoke on "Women Pioneers in Medicine." The series began, she said, with a young English-born girl, Elizabeth Blackwell, whose family went to America when she was nine years old. Elizabeth's decision to become a doctor was in fulfilment of a promise to a friend who had died young after a long illness and who had laid it upon her t see that women should become doctor Miss Blackwell qualified in 1849. Sh visited England and in a series of lecture on hygiene inspired Elizabeth Garrett t become a doctor. Elizabeth Garrett pu up her plate in the fashionable medic quarter of London. In a few years sh had a long waiting list of midwifery case and founded the New Hospital for Wome (the present Elizabeth Garrett Anderso Hospital). Edith Pedrey, winner of scholarship for first and second-year st dents in chemistry, had met with a refus from the professor to give the scholarsh to a woman. Sophia Jex Blake had broke down the educational barriers in Edi burgh. Coming to London, she founde in 1874, the London School of Medici for Women. In 1877 the Royal Free Ho pital agreed to allow women students its wards. In the same year the Dubl Colleges opened their examinations women students, and in the following ye the Faculty of Medicine of the Universi of London followed suit. Twelve yea later Sophia Jex Blake founded a medic school for women in Edinburgh. Wom thereafter began to interest themselves medicine in increasing numbers. Outstan ing among them was Mrs. Scharlieb, w came from India to study at the Lond School of Medicine.

SCOTTISH CHEMISTS ADVISE TO WITHDRAW NOTICE

The Pharmaceutical General Council (Sc land) has recommended to the chemists Scotland that they should at once wi draw their notices of termination of c tract. In assessing the position the Cour was guided by the considerations (1) t the 8 per cent. deduction as a substant cut has been removed, and in its place chemist has a certificate giving him a c tingent right of payment consequent on award of the tribunal; (2) that the Co cil has been successful in getting the t of arbitration desired; (3) that person and terms of reference have been agr upon; (4) that payments for June, J and August 1950 will be made in f without retention of 8 per cent.; (5) t an improvement in the staffing of pricing bureau has been promised; and that pricing of prescriptions by chem as a contribution to the clearance of arr will be paid for at the rate of one pe per form.

TOPICAL REFLECTIONS

Productivity Team in U.S.A.

The ten members of the "pharmaceutical team" now visiting the United States for the purpose of studying methods of pharmaceutical manufacture in that country (p. 555) are undoubtedly having a strenuous experience. We may be sure they would not wish it to be otherwise. Much can be learned in a land where efficiency is the order of the day. One obvious factor is the use of chemical engineering, the subject of an editorial article on p. 557. Everyone who has been taken through the premises of a modern manufacturing house must realise that satisfactory chemical and galenical preparations cannot be made on a large scale without the aid of up-to-date machinery. In some instances machinery is specially planned and constructed for a single purpose. A factor closely connected with chemical engineering is the correct size of the manufacturing unit. Hence comes the now general practice of trying a new process on a pilot plant after laboratory experiments have been approved. A third factor is distribution of load, arranged so as to ensure equality of strain. The members of the team whose biographies you have published in outline on p. 555 are either in the prime of life or approaching it, and accordingly will carry out their task with adequate receptivity. I am hoping to see in due course a report of their experiences and of the conclusions derived.

Pharmaceutical Education

The address given recently at an evening meeting of the Pharmaceutical Society by Mr. C. W. Maplethorpe (pp. 560-62) may seem rather on the dry side, but is valuable as a methodical account of changes in the Society's educational policy during the long period of its existence. Most readers will, probably, concentrate their attention on the chances of near or distant alterations in the syllabuses. We must recognise that in this important aspect of its work the Society's Council has to be opportunist. One is reminded of the Emersonian dictum that only as people are unsettled is there any hope for them. The prevalent level of education in comparable professions must always be familiar to those whose duty it is to prepare schedules of study. The common phrase "moving with the times" rightly expresses a sound educational policy if rightly interpreted. To move with the times is neither on the one hand to drift with the times, nor on the other hand to forge ahead regardless of practical considerations. As the late Mr. Melhuish remarked during a Council discussion on education a few months ago, it is wise to hasten slowly. The addition of a reminder on post-graduate study may not be amiss. As a keen medical practitioner said to me a few days ago, the only way to avoid sinking into a dull routine is to keep on studying. This topic will, I trust, not be lost to view in whatever planning is in progress.

A Little-valued Element

One element in our education less appreciated than it might be is the study of the history of pharmacy. Teachers of this history may with advantage read (if they have not already read) "Teaching History of Pharmacy," by Dr. George Urdang and Mr. Glenn Sonnedecker, in the "American Journal of Pharmaceutical Education," XIV: 128-56, 1950. Though reprints of the article in brochure form may not be available in this country, copies of the magazine mentioned are. As Professor of the History of Pharmacy in the University of Wisconsin and Director of the American Institute of the History of Pharmacy, Dr. Urdang writes with unrivalled authority on the subject. Details of the courses arranged can, obviously, be adapted to the requirements of degree or diploma courses in Great Britain. This exposition of a scheme for an adequate training in pharmaceutical history has its appeal for a much wider circle than the teaching profession. Its importance consists not only in its emphasis on the place of the study in a culture that should be an asset of a modern pharmacist, but also in the fact that here is a well-documented scheme, including a selected bibliography, for the training of candidates for degrees or diplomas. The Pharmaceutical Society has in recent years added "The history of pharmacy from A.D. 1600" to the syllabuses for its Qualifying examinations, and has now changed this requirement to "The historical development of pharmacy," a change for the better. We have no reason to be ashamed of our pharmaceutical ancestry, and it is fitting that we should be familiar with it. The beginnings of pharmacy in Great Britain may be related, I suggest, to the visit of Scribonius Largus in the year 43.

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NEW COMPANIES

Arklow Pharmacy, Ltd. (P.C.).—Registered in Dublin. Capital £5,000. William and Angel Wolohan, directors, Upper Main Street, Arklow, co. Wicklow.

Medical Gases, Ltd. (P.C.).—Capital £10,000. To carry on the business of manufacturers of and dealers in medical gases, oxygen, disinfectants, chemicals, drugs, medicines, etc. William R. Smith, director. R.O.: 121 Clarendon Street, Hull.

Brakes & Parr, Ltd. (P.C.).—Capital £4,000. To carry on the business of wholesale manufacturing and dispensing chemists and druggists, etc. Gordon S. Brakes and David S. Parr, directors. R.O.: 26 Main Street, Catcliffe, Rotherham.

Kemp & Staples, Ltd. (P.C.).— Capital £200. To carry on the business of wholesale/retail chemists, etc. William H. Kemp, M.P.S., and George E. Staples, M.P.S., directors. R.O.: 4 Cross Street, Cheadle, Staffs.

Samuel Hutchinson, Ltd. (P.C.).—Registered in Belfast. Capital £4,000. To carry on the business of chemists, druggists, opticians, etc. Hester M. M. Hutchinson, and Samuel Moore, M.P.S.N.I., directors. R.O.: 502 Antrim Road, Belfast.

Aidee Perfumery Co., Ltd. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. Leopold K. Wynschenk and Noreen E. B. Malyn, directors. R.O.: 110 Dale End, Birmingham.

J. Bolsom (Chemists), Ltd. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, etc. Jacob Bolsom, M.P.S., and Martin Bolsom, directors. R.O.: 11 Albert Square, Manchester, 2.

Micro-Nutrients, Ltd. (P.C.).—Capital £100. To acquire licences and manufacturing and distributing and other rights in physical and chemical formulas of all kinds connected with industry, food and foodstuffs, agriculture, medicine, and the production of micro-nutrients, etc. For other particulars see Micro-Nutrients Holdings, Ltd. (*C. & D.*, November 4, p. 502).

Lander Co., Inc. — Particulars filed pursuant to Section 407 of the Companies Act, 1948. Capital: $10,000. Registered in New York, U.S., on January 31, 1921, to carry on the business of manufacturers, importers and exporters of and dealers in all kinds of soaps, extracts, toilet articles and preparations, perfumes, etc. British address: 21 Ely Place, Holborn Circus, E.C., where Jack Franks is authorised to accept service of process and notices. Charles, George and Michael Oestreich and Alfred Appel, directors, all of New York.

Company News

Raimes, Clark & Co., Ltd., Edinburgh—Mr. C. C. Cumming, B.A., M.P.S., has been appointed managing director. Mr. Cumming is secretary of the Scottish Wholesale Druggists' Association.

Compulsory Winding-up

Studio Cosmetics, Ltd.—On the petition of the Commissioners of Customs and Excise an order was made in the Chancery Division recently for the compulsory winding-up of the company. For the Commissioners, it was said they had a judgment for unpaid purchase tax of £25 5s. 10d. The Commissioners of Inland Revenue had a debt of over £1,000.

BUSINESS CHANGES

Richard Hudnut, Ltd., have appointed Mr. A. J. Boyington field sales manager.

Boots, Ltd., opened a branch at 3 North Road, Gabalfa, Cardiff, on November 21.

The telephone number of V. Berg & Sons, Ltd., 33 Eastcheap, London, E.C. has been changed to Avenue 7321.

Empire Industries Association has removed to Craig's Court House, 25 Whitehall, London, S.W.1 (telephone: Whitehall 1844).

The Manchester branch of Johnsons of Hendon, Ltd., has removed to 37 Brown Street (telephone: Deansgate 3792).

Smith & Hill (Chemists), Ltd., Matilda Street, Sheffield, 1, have appointed Mr. J. E. Richardson, M.P.S., the sales director.

Mr. Jeremiah Cuddy, M.P.S.I., Kenyon Street, Nenagh, Eire, is appointed compounder of medicines for Nenagh Dispensary District, and Nenagh District Hospital and County Clinic.

Maw's Fitting Service (S. Maw, Son & Sons, Ltd.) is at 67 Jermyn Street, London, S.W.1, and not as stated in the announcement by the company in the November 18 issue of the *C. & D.*

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MOVING the Second Reading of the Dangerous Drugs (Amendment) Bill (see *C. & D.*, November 18, p. 563) on November 14, MR. CHUTER EDE (Home Secretary) said that the main difficulty which the Bill sought to resolve arose from the establishment of the Northern Ireland Parliament. The original Dangerous Drugs Act was passed before that date when the power to deal with Dangerous Drugs was transferred, save in the case of matters expressly reserved to the Imperial Parliament. In transferred matters the Parliament of Northern Ireland had enacted measures designed to correspond with the later Dangerous Drugs Acts of the Imperial Parliament. In theory, the law should be the same in Great Britain and Northern Ireland, and it should be possible to consolidate it separately, but confusions had to be cleared up before the United Kingdom Acts could be consolidated. The Second Reading was passed without a division.

Cortisone and Aureomycin

WING-COMMANDER BULLUS asked the Minister of Health, on November 16, whether he could give the extent of the demand of cortisone by general practitioners. MR. BEVAN: I hope that there is no demand for this drug by general practitioners at the moment, because the consequences of taking the drug have not yet been established. Until experiments are concluded, it is not possible to make this drug generally available. DR. C. HILL asked whether Mr. Bevan was aware that in one experiment in Britain some encouraging results had been obtained. Would he do all he could to obtain further supplies of the drug? MR. BEVAN: I am quite ready to obtain further supplies of the material to enable further experiments to be made, but it is far too early to arouse expectations about the use of this drug.

LIEUTENANT-COLONEL SIR THOMAS MOORE asked how much aureomycin was imported from the U.S.A during the nine months ended September 30, 1950. MR. BEVAN gave the amount as 140,075 gm., apart from small quantities for sample and trial purposes. SIR THOMAS asked how, as aureomycin was regarded by the medical profession as a life-saving drug in bronchial diseases, the Government could justify spending millions of dollars on importing tobacco while limiting the import of the drug? MR. BEVAN said he would ask Members not always to believe everything they heard about every drug produced on the other side of the Atlantic.

Prescription Cost and Capitation Fee

MR. R. H. TURTON asked the Minister, on November 16, whether, in view of the evidence received from the Joint Pricing Committee for England, that the average price of prescriptions per person from January 1 to September 30, 1949, was 11s. 4½d., he was prepared to review the present dispensing capitation fee paid to doctors who supplied medicines to patients on their National Health Service lists. MR. BEVAN: No. The figure quoted and the fee are not comparable. In addition to the fee, *pro rata* payment is made to the doctors for certain individual items supplied.

LEGAL REPORTS

Drugs Not in Locked Receptacle.—Pleading guilty at Ludlow, Shropshire, on November 20, to failing to keep Dangerous Drugs in a locked receptacle that could be opened only by him or some other authorised person, Roger Jones, an assistant veterinary surgeon, 6 Dale Street, Craven Arms, was fined £5. Evidence was given that defendant's car had been tampered with on September 21, and some drugs taken. They were eventually recovered from a local military camp. The car had been locked, but the drugs were not in a separate locked receptacle.

Pharmacy Act Fines.—At Camelford, Cornwall, sessions recently Mrs. H. M. Williams was fined a total of £3, with £4 4s. costs, for selling, at a shop at Delabole, a bottle of Gee's linctus though not an authorised seller of poisons, and without its being labelled with her name and address as seller. It was stated that Mrs. Williams' husband was in business as a pharmacist at another town in Cornwall. The name and address of her husband appeared on the label of the bottle purchased by the Pharmaceutical Society's inspector, but the Society's solicitor pointed out that if the husband had owned the Delabole shop there would still have had to be a pharmacist in control of it. In 1938 Mrs. Williams had been fined for a similar offence at her Port Isaac shop.

MARRIAGE

MOLLOY — MCHUGH — At Carraroe Church, co. Sligo, Eire, recently, Peter Francis Molloy, M.R.C.V.S., Roscrea, co. Tipperary, to Oona Josephine McHugh, M.P.S.I., 2 Union Place, Sligo.

DEATHS

CAPPS.—At Dundee, on November 16, as a result of a motor accident, Mr. Bernard S. Capps (secretary, National Cash Register Co., Ltd., and a director, National Cash Register (Manufacturing), Ltd.), aged fifty-five.

CARMICHAEL. — On November 7, Mr. Alexander Carmichael, M.P.S., 33 Sandypark Road, Brislington, Bristol, 4, aged sixty.

CLARK. — On November 7, Mr. John Jeffrey Clark, M.P.S., Harwood House, 46 Thicket Road, Anerley, London, S.E.20, aged eighty-six.

DOE. — On November 3, Mr. Walter James Doe, M.P.S., 121 London Road, North Cheam, Surrey, aged eighty-nine.

GILMOUR.—On August 16, Mr. William John Gilmour, M.P.S., 5 Victoria Avenue, Evesham, Worcs. Mr. Gilmour qualified in 1920.

GREIG.—At Aberdeen, on November 5, Mrs. Isabella Greig, wife of the late Mr. John Greig, M.P.S., Glasgow, aged eighty-two.

HOLDEN.—On October 24, Mr. James Lancelot Holden, M.P.S. (proprietor of Charles Huxtable & Co., Paignton, Devon), aged sixty-eight. [Corrected note.]

METCALFE. — On October 17, Mr. Robert Simon Metcalfe, M.P.S., Oakwood, Lowes Barn, Durham. Mr. Metcalfe qualified in 1906.

MORRIS.—On October 18, Mr. William Morris, M.P.S., Dolarmon, Llangefri, Anglesey. Mr. Morris qualified in 1901.

MURRAY.—At Brighton, on November 20, Mr. James Alexander Murray, M.D., F.R.S. (for many years director of the Imperial Cancer Research Fund), aged seventy-six. Dr. Murray joined the Fund staff in 1903, and took a considerable part in the development of the methods by which larger magnification and more intensely illuminated microscopical fields were brought into play in the examination of tissues affected by malignant disease. He was elected F.R.S. in 1925 in recognition of his great work on cancer research. Retiring in 1935 he retained his interest in microscopy as president of the Royal Microscopical Society.

O'SULLIVAN. — Recently, Mr. James O'Sullivan, M.P.S.I., The Pharmacy, Newcastle West, co. Limerick, Eire, aged fifty-seven.

SLETCHER. — At his home, Quinton, Westfield Lane, Baldslow, Hastings, on November 9, suddenly, Mr. Henry George Sletcher, M.P.S. Mr. Sletcher qualified in 1898.

WHITTLE.—On October 26, Mr. George Whittle, M.P.S., 24 Baldwins Lane, Hall Green, Birmingham, 28, aged eighty-two. Mr. Whittle qualified in 1890.

WILLIS. — Recently, Mr. Sydney Harman Willis, M.P.S., Llandennis Road, Roath Park, Cardiff, aged sixty-four. While on holiday in the Lake District on September 23, Mr. Willis set out for a long climbing expedition and did not return. His body was found eight weeks later near Skelghyll, Cumberland. Mr. Willis owned two pharmacies in Cardiff. He qualified in 1907.

WILLS

MR. A. BANNER, 39 Park House, Welwyn Garden City, Herts, formerly on the Headquarters secretarial staff of Imperial Chemical Industries, Ltd., left £2,08[illegible] (£1,885 net).

MR. J. O. DIMBLEBY, retired pharmacist, 47 Windermere Avenue, Finchley, London, left £2,048 (£1,990 net).

MR. H. B. HAMMOND, M.P.S., 784A London Road, Thornton Heath, left £3,35[illegible] (£2,994 net).

MR. C. BEN JOHNSON, The Crossways, Strensall, Yorks, chairman of Bleasdale, Ltd., York, left £59,090 (£56,297 net).

MR. H. B. K. MARSHALL, retired pharmacist, 1 Mayfield Road, Sanderstead, Surrey, left £1,910 (net value of estate nil).

MR. P. MILNE, Ashfield, 72 Fenham Hall Drive, Newcastle-on-Tyne (for many years a representative of W. B. Cartwright, Ltd., Rawdon), left £5,31[illegible] (£5,269 net).

MR. W. TOPPING, M.P.S., The Pharmacy, Mochdre, Colwyn Bay, Denbigh, formerly of Prestatyn, Flint, left £3,62[illegible] (£3,426 net).

PERSONALITIES

Mr. George Checkley, M.P.S., who was elected chairman of the Eastbourne Branch of the Pharmaceutical Society for the fifth year recently, is also chairman for the year of the South Eastern Federation of Pharmacists. He is deputy chairman of the Eastbourne Executive Council. For the years 1946-49 he was president of the Eastbourne Pharmacists' Association. Apprenticed in Hastings to the late Mr. F. W. Goodman, 1908-11, he took a post as an assistant in Eastbourne for a year, and qualified in 1913. As a pharmacist he first took up a managership in Eastbourne, and later became a proprietor. He is a life member of the Pharmaceutical Society.

Mr. H. Bristol, M.P.S., Ilkeston, Derbys, has been elected president of the Ilkeston Chamber of Trade. He is in business in Cotmanhay Road, Ilkeston.

Mr. Duncan Macpherson, M.P.S., The Kyle Pharmacy, Kyle of Lochalsh, Ross, has published a new book entitled "Lure of the West," in which he deals in text and photographs with life and events in the Western Highlands. A previous publication of Mr. Macpherson's is entitled "Gateway to Skye."

Mr. A. Lucas, who has been appointed to the board of T. J. Smith & Nephew, Ltd., is chief of the company's medical division. He was formerly the company's representative in Lancashire. Mr. T. L. Whittaker, also newly appointed to the board, has been general sales manager of the company for the past three years.

Mr. J. S. Walmsley, M.P.S., who, as already announced (*C. & D.*, June 24, p. 782), is resigning his appointment as secretary of the Proprietary Association of Great Britain at the end of the year, is joining the board of Aspro, Ltd. He will be in charge of public relations in the company's international services, will advise on legislative matters in the sixty-seven countries in which the products of the group are marketed, and will co-ordinate work previously done independently by the various companies of the group.

Mr. Alfred C. Stewart, who has been appointed sales representative in London and the Home Counties of Courtin & Warner, Ltd., Lewes, Sussex, commenced his business career in 1908 with produce brokers in Mincing Lane, London. His career in the Lane was interrupted by the first world war, during which he served in the Royal Naval Volunteer Reserve. On his release from active service, he took up market work, became an associate member of the London Commercial Sales Rooms, and in 1929 joined Potter & Clarke, Ltd., London, as buyer, in which capacity he remained with the company for twenty-one years.

HEALTH SERVICE REPORTS

The following statistics refer to the year ended March 31.

England and Wales.—Estimated proportions of medicines and appliances prescribed (expressed as percentage):—Mixtures, 34; tablets, pills, etc., 20; ointments, 4.5; lotions, liniments, gargles, etc., 4.5; proprietary preparations, 16; bandages, dressings, surgical hosiery, etc., 9; miscellaneous, 12.

East Suffolk.—Prescriptions dispensed, 486,642; payment to chemists, £77,776; rota payments, £1,768; patients on doctors' lists, 206,356; patients receiving medicines from doctors, 73,699.

Glamorgan. — Total expenditure, £2,290,687; pharmaceutical services, £595,698; doctors on list, 407.

Sheffield.—Pharmacist contractors, 76 (with 139 shops); prescriptions dispensed, 2,821,362; rota payments £4,241; drug tests taken, sixty-five (four referred for investigation). The local Pricing Bureau had reduced the time taken to price a month's prescriptions from ten to five weeks. There seems no immediate prospect of the period being reduced to the necessary three weeks.

PHARMACEUTICAL SOCIETY OF IRELAND

THE president (Mr. T. C. Scott) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Ireland on November 14. Other members present were Messrs. J. P. Kissane (vice-president), J. Gleeson, P. C. Cahill, C. J. Cremen, C. D. O'Shea, P. F. McGrath, Senator F. Loughman, P. Brooke-Kelly, J. J. Roche, T. B. O'Sullivan, M. Power, G. C. O'Neill, H. P. Corrigan, A. A. Toher, and J. A. O'Rourke.

In reply to a request from the Pharmaceutical Council of Western Australia, the registrar (Mr. J. G. Coleman), was directed to send to them a copy of the Society's new proposals for reciprocal relations with countries recognising the Irish Licentiate.

A letter received from the secretary of the Association of Registered Druggists explained that after examining a copy of the draft Act (see *C. & D.*, July 1, p. 12), the Association felt that it did not carry into real and immediate effect the agreement that had been reached between the Association and the Society. Implementation of the agreement would be left to be carried out by further legislation, and unnecessary delay and perhaps expense would be caused. THE REGISTRAR said that everything that could be put into the proposed Act had been put into it, but many other things had to be held out to go into the regulations. It was decided to call a meeting of the subcommittee dealing with the matter and of the Society's Law Adviser.

Mother and Child Scheme

Replying to the Society's request that a deputation should be received to discuss the mother and child scheme (see *C. & D.*, September 30, p. 306), the private secretary to the Minister for Health wrote that details for the provision of medicines had not yet been prepared and the Minister was not in a position to give any guarantee as to the form the scheme would take. A deputation would be received later.

Several members described the letter as being completely at variance with the Minister's own public statements. MR. CAHILL urged that it was the most serious thing that had happened since 1875, and members should be kept informed of developments, and MR. CREMEN said that the Minister had been asked to give an undertaking that he would use the existing pharmacies but had evaded the issue. After discussion it was agreed that Senator Loughman should see the Minister to ascertain his views, that a special meeting of the Council should be summoned to hear a report from the Senator, and that a circular giving the facts should then be sent out to all members.

The following changes of address were notified:—Mrs. B. A. Heffernan, L.P.S.I., to 310 Deerpark Road, Mount Merrion, Dublin; Miss Mary McGuinn, L.P.S.I., to Sacre Coeur, Bellaghy, Charlestown, co. Mayo; P. J. Hogan, Esq., M.P.S.I., to 94 McKee Road, Finglas, co. Dublin; Patrick J. D'Arcy, L.P.S.I., to 34 Ashfield Road, Ranelagh, Dublin; John Gleeson, L.P.S.I., to Warwick Hotel, Salthill, Galway; Garrett P. Ryall, to Whitechurch, Cappagh, co. Waterford.

Dr. Matthew J. Cusack and Dr. James S. Plaisted, were granted registration as pharmaceutical chemists. The applications of Mrs. Mary Gleeson (neé Foley), M.P.S.I., and Mrs. B. A. Heffernan (neé O'Dwyer), L.P.S.I., to be changed in the register on marriage were granted. The reports of the House, Law, and Schools Committees were submitted and approved.

THE REGISTRAR reported on the death of Mr. James O'Sullivan, M.P.S.I.

Dr. Vincent D. Barry, D.Sc., was unanimously re-elected examiner in chemistry to the Licence examination for the year, and Mr. David Roice, M.P.S.I., was re-elected examiner to the Assistants' examination.

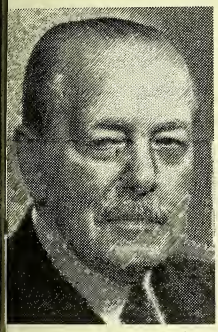
The Wexford Pharmaceutical Chemists' Association was thanked for a donation of £10 to the Benevolent Fund.

The following Licentiates were nominated for membership:—Benjamin R. Bailey, 107 Upper Rathmines, Dublin; John A. Gleeson, Warwick Hotel, Salthill, Galway; Mrs. B. A. Heffernan, 310 Deerpark Road, Mount Merrion, Dublin; Patrick Hughes, Manorhamilton, co. Leitrim; Miss Mary Liffey, Shinrone, Offaly; Denis J. Long, Rock Street, Cloyne, co. Cork; Miss Mary McGuinn, Sacre Coeur, Bellaghy, Charlestown, co. Mayo; Valentine O'Connell, 20 Poddle Park, Kimmage, Dublin; Miss Elizabeth J. Smyth, Sunnyside, Moynalty, Kells, co. Meath; David G. O'Leary, 25 Glandore Road, Griffith Avenue, Dublin; Miss T. R. Brady, Dunboyne, co. Meath.

At a meeting of the Benevolent Fund Committee held following the Council meeting a number of grants were passed for payment.

DINNER IN HONOUR OF MR. F. J. SMITH

To celebrate the completion of fifty years' service with the company by their chairman, Mr. Frederick J. Smith, the directors of Sangers, Ltd., invited to a dinner in London on November 17 a large "family party" of the directors, executives and staffs of the associate and subsidiary companies as well as prominent personalities in pharmacy and the drug trade.



The Pharmaceutical Society was represented by Mr. Hugh N. Linstead, O.B.E., M.P.; the Association of British Pharmaceutical Industry by Messrs. J. C. Hanbury, M.A., R. L. Taylor, C. A. O. Rideal, other members of its Council and the secretary and assistant secretary (home); the National Pharmaceutical Union and Chemists' Federation by Messrs. G. A. Mallinson (founder secretary), H. Noble (secretary) and R. H. Kemp (assistant secretary); the Proprietary Articles Trade Association by Messrs. E. C. Pearce (president), H. E. Chapman, J.P. (secretary) and D. W. Payne (assistant secretary), the Proprietary Association of Great Britain by Mr. G. A. Gwatkin and Mr. J. S. Walmsley; and the Association of British Chemical Manufacturers by Sir Harry Jephcott.

Colonel S. Watson, D.S.O., M.C., B.Sc. (chairman of James Woolley, Sons & Co., Ltd., and for twenty-nine years a colleague of Mr. Smith on the Council of the P.A.T.A.), proposed the toast of the evening: "Our Guest." The celebration was no ordinary jubilee, he said. It was a landmark in the remarkably successful and useful career in business of the man who was universally known as "F. J." Mr. Smith had been president of the P.A.T.A. in the year in which the speaker had joined its Council. He was a man strong in debate and tenacious in purpose. Nobody had done more for the trade (he was also chairman of his section of the A.B.P.I.); and it was obvious that evening how greatly his work was appreciated. The Sangers organisation, converted into a limited company in 1928 with "F. J." as managing director, was now a solid group represented all over England and Ireland.

Mr. H. Glyn Jones, K.C., supported the toast. After a satirical reference to the services offered by trade wholesalers when he entered upon his pharmaceutical apprenticeship in 1913, Mr. Glyn Jones said that in 1921, when he was given office as assistant secretary of the P.A.T.A., it had not taken him long to realise why his father (the late Sir William S. Glyn Jones) had relied so much on Mr. Smith.

Trade Practice Revolutionised

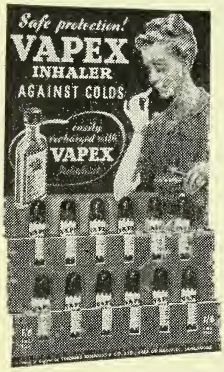
In his reply, Mr. F. J. Smith thought the speakers had "put a telescope to their blind eye" in their references to him. To all members of his family in the business and to all directors of the associated companies, he expressed his thanks for the loyalty he had always been shown. Within his fifty years with the company the whole outlook and practice of the trade had been revolutionised. He hoped the days of low wages and cut-throat competition ("the two go together") would never return.

During the evening Mr. F. A. McMullan presented Mr. Smith with a silver salver bearing the engraved signatures of every director and manager of the subsidiary companies. A programme of entertainment concluded the proceedings.

TRADE NOTES

Chlorophyll Tablets.—Brook, Parker & Co., Ltd., Ashfield, Horton Road, Bradford, point out that for years they have been supplying tablets of chlorophyll which have been used in the States and Canada against halitosis and as a deodorant.

Display Card.—Thomas Kerfoot & Co., Ltd., have produced the new form of display outer illustrated. The outer becomes a hanging card in use in the pharmacy, the inhalers being firmly fixed for transport but readily removed when making sales.



Ideal Home Exhibition. — The 1951 "Daily Mail" Ideal Home Exhibition will be held at Olympia, London, March 6-31, 1951.

Authorised Distributors.—The distributors to chemists of Enka toilet sponges are Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1. The sponges, which are manufactured by Macwill & Co., Ltd., Kingston-on-Thames, are available in pastel shades of pink, blue and green.

Change of Ampoule Size.—Ciba Laboratories, Ltd., Horsham, Sussex, are withdrawing on December 1 10-mgm. ampoules of Priscol in favour of 25-mgm. From that date orders for boxes of ten 10-mgm. ampoules will be met by sending the same number of boxes of six 25-mgm. ampoules.

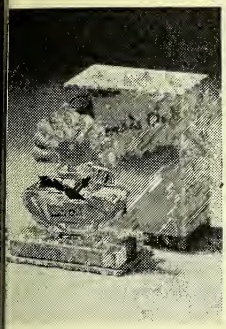
Minimum Orders.—H. R. Napp, Ltd., 3 Clements Inn, London, W.C.2, state that from December 1 the minimum order which they will undertake to execute direct will be of £3 net value. Orders of that value will be sent forward carriage paid; retailers' orders of lower value should be sent to wholesalers.

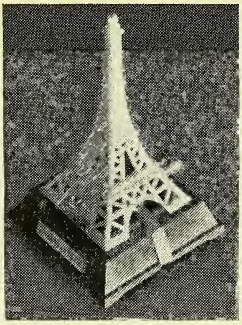
Frow's Mixture in Capsules.—Capsules of Frow's mixture, which is used in the treatment of colonies of honey bees suffering from acurine infestation, are obtainable from John Tye & Son, Ltd., 457 Caledonian Road, London, N.7. The capsules are supplied in two sizes, containing sufficient for one or two applications.

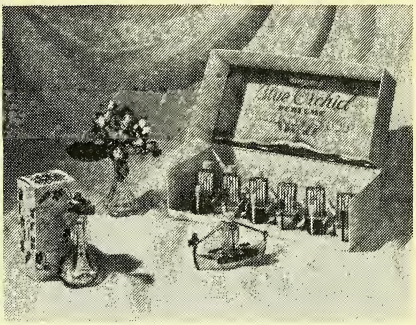
Sole Agency.—Fred Storey, Ltd., 44 Hill Street, Belfast, have been appointed sole agents in Northern Ireland for Multitone hearing aids. An exhibition of the instruments was held at the company's hearing-aid department recently to inaugurate the opening of a permanent consulting-room and service for the deaf. Subagents are being appointed shortly in all important towns in Northern Ireland.

Preserver for Cut Flowers.—Simmonds-Low Horticultural Products, Ltd., 78 Church Road, Acton, London, W.3, have prepared for issue to stockists of Nutrigen a display stand calling attention to a new use for the product. Evolved in Lancashire as a medium for soilless culture, Nutrigen was accidentally discovered to be beneficial in preserving cut flowers. If the solution is varied according to the type of flower, the life of the flowers after cutting is lengthened. Nutrigen is issued in containers of twelve tablets.

Price Changes.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, announce a change in price of Luminal sodium in boxes of ten dry ampoules of 0.22 gm. with ten 2-mil. ampoules of distilled water.—Creme Simon (Distributors), Ltd., 31a Bedford Street, Strand, London, W.C.2, announce a slight increase from December 1 in the price of their products in consequence of a continiued rise in costs of raw materials and containers. The company are proposing to reallow quantity discounts to retailers now that quota restrictions are no longer in force. —John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, state that from January 1, 1951, the prices of Beplex capsules (vitamin B complex), in bottle of fifty capsules and dispensing pack of 250 capsules, are being reduced.—Parke, Davis & Co., Staines Road, Hounslow Middlesex, state that revised prices came into operation on November 20 for their analgesic balm, Irradex, Mycozol dusting poyder and liquid, Euthymol tablets and other items listed in circulars issued by the company under the dates November 14 and 17.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, announce reductions in the price of the 500-tablet bottle of Radiostoleum pellets and in the 50-tablet and 500-tablet bottles of tab. calciferol fort., B.P.C. (50,000 i.u. per tablet).







MORE CHRISTMAS PACKS

A New Perfume. — Bourjois, Ltd., 2 Old Bond Street, London, W.1, have launched a new perfume, "Mais Oui," and are making their Evening in Paris perfume available in Eiffel Tower novelty pack. Both are illustrated above.

Lipstick "Wardrobe."—Novelties in the Outdoor Girl range of Crystal Products Co., Ltd., Hook Rise, Surbiton, include a lipstick "wardrobe" (four larger-sized lipsticks to wear with four dress colours), and a "lip-tip" collection (nine little lip-tips in cases, complete with holder).

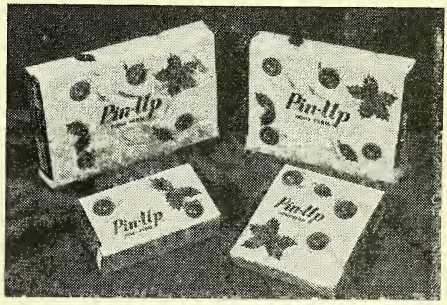
Novelty Perfume Packs. — Christmas gifts in the range offered by Delavelle (Great Britain), Ltd., 38 Orsman Road, London, N.1, include Devon Violets Bouquet in flower vase and Blue Orchid perfume in Viking-ship pack (both illustrated above). A four-page illustrated list of these and other items is available from the company.

Low-priced Coffrets.—Christmas packs offered by Pond's Extract Co., Ltd., Perivale, Middlesex, include Angel Face coffret (Ivory Angel with scarlet lipstick; Pink Angel with pink rose lipstick; Tawny Angel with medium lipstick); cream coffret (natural powder with scarlet lipstick; peach with medium; cream rachel with ruby); and Charm Kit (as in 1949).

Christmas-tree Gifts.—A series of two-dimensional cut-outs in coloured foils with loops to hang upon a Christmas tree are offered by Gala of London, Ltd., 48 Burlington Arcade, London, W.1. They include fairy holding Heavenly perfume stick for the top of the tree; Heavenly perfume "tree" (perfume in little bottle); lipstick "ball" (four colours only); pearl nail-colour "bell"; and Lip-line "snowman." Many of the company's standard specialities are also presented in gift packs.

Soaps and Essences. — Through their distributors, Castle Soaps of Cambridge, Ltd., Kirkby, Liverpool, to whom trade inquiries should be sent, F. R. Cullingford, Ltd., Riley Works, Chelsea, London, S.W.10, are making available a variety of goods suited to the Christmas season. They include Baby Brumas soaps and Twin talcum powders (pink for girls; blue for boys); luxuries for men, including a new "polka dot" soap pack, shaving bowl and talc in transparent wrap; floral soaps and bath essences; and Omy soap in "Christmas candle" pack (six toilet circular 3-oz. tablets in cylindrical box); Omy bath essence and sachet boule; and Omy talc. Twin and Omy talcs will be ready shortly.

In Christmas Wrappers.—The Pin-up home permanent-wave outfits are being sent out for Christmas-season sales in special seasonable wrappers as illustrated.



The manufacturers, Pin-up Cold Perm Wave Laboratories, 59 Park Royal Road, London, N.W.10, draw attention to recent purchase-tax reductions.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List (Part 1).

Dr. Janssen, Ltd., Janssen's herbal tablets, 9s. 9d. doz., tax 33⅓ per cent., inclusive retail price 1s. 6d.; 25s. 8d. doz., tax 33⅓ per cent., i.r.p. 3s. 11d.

Alterations to Protected List (Part 1).

The British Drug Houses, Ltd., Radiostoleum liquid, 25-mils, 32s. doz., 4s.; capsules, 50's, 28s. doz., 3s. 6d. (both exempt from tax).

*Cannon Rubber Manufacturers, Ltd., London, N.*17, Modern babies' feeding-teat, 57s. 6d. gross, 7½d.; Wellborn teat, 57s. 6d. gross, 7½d.; Modern junior teat, 28s. 9d. gross, 4d.; Modern soother, 10s. doz., 1s. 3d. (all exempt from tax).

Glaxo Laboratories, Ltd., Corrections: Cytamen 20, 6 c.c. rubber-capped vial, 63s. doz., 7s.; Cytamen 50, 6 x 1 c.c., 144s. doz., 16s.; 100 x 1 c.c., 180s. each, 240s.; Cytamen 20, 6 x 1 c.c., 72s. doz., 8s.; 100 x 1 c.c., 90s. each, 120s. (exempt from tax).

Eli Lilly & Co., Ltd., Betalin complex brand vitamin-B ampoules, No. 390: 2-c.c., 6's, 112s. doz., 14s.; 100's, 146s. 8d. each, 220s.; Betalin complex ampoules, No. 391, 10-c.c., 72s. doz., 9s.; Betalin compound brand vitamin B complex pulvules No. 250; 40's, 48s. doz., 6s.; 100's, 112s. doz., 14s.; 500's, 43s. 4d. each, 65s. (all exempt from tax).

W. T. Owbridge, Ltd., Owbridges lung tonic pastilles: 2-5 gross, 6s. 8d. doz. *Prices in Eire,* Owbridges lung tonic, 11s. doz., 1s. 4d., 28s. doz., 3s. 6d.; Owbridges lung tonic pastilles, 6s. 6d. doz., 9d. *Prices in Northern Ireland,* lung tonic, 11s. 6d. doz., tax 33⅓ per cent., i.r.p. 1s. 7d., 28s. 6d. doz., tax 33⅓ per cent., i.r.p. 3s. 11d.; pastilles, 7s. doz., tax 33⅓ per cent., 2-5 gross 6s. 8d. doz.

Deletion from Protected List (Part 1). — *Muller Laboratories, Ltd.,* Muller nutrient brand of concentrated nerve food.

Additions to Protected List (Part 2).—

Milton Antiseptic, Ltd., Milton denture-powder, new size, 16s. doz., tax 33⅓ per cent., i.r.p. 2s. 2½d.

Henry C. Miner, Ltd. (agents: *Myram Picker, Ltd.*), Nail lacquer, 9s. 8d. doz., tax 100 per cent., i.r.p. 2s.; Nail lacquer remover, small, 6s. 2d. doz., tax 100 per cent., i.r.p. 1s. 3d.; large, 10s. 10d. doz., tax 100 per cent., i.r.p. 2s. 3d.

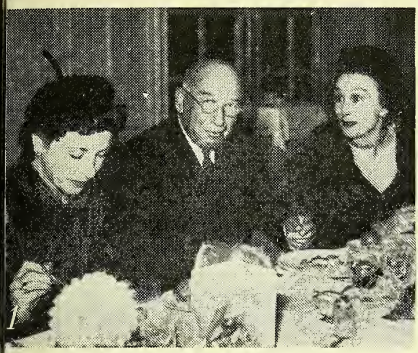
Scott & Bowne, Ltd., Pacquin's hand cream, 13s. 6d. doz., tax 100 per cent., i.r.p. 2s. 7½d.; 24s. 9d. doz., tax 100 per cent., i.r.p. 4s. 10d.

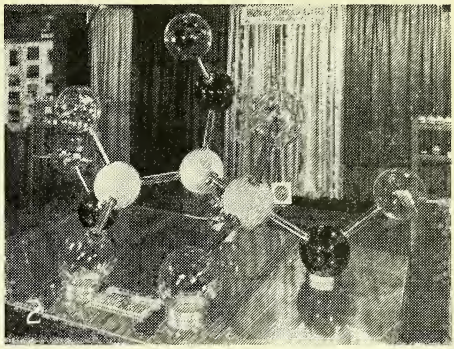
James B. Williams Co. (*England*), *Ltd* (sole distributors: *Scott & Bowne, Ltd.*, Williams' luxury shaving-cream, 13s. 2½d. doz., tax 33⅓ per cent., 1s. 10d.; Aqua Velva after-shave lotion, 23s. 2d. doz., tax 100 per cent., i.r.p. 4s. 6d.

C & D. RETAIL AND DISPENSING PRICE LIST

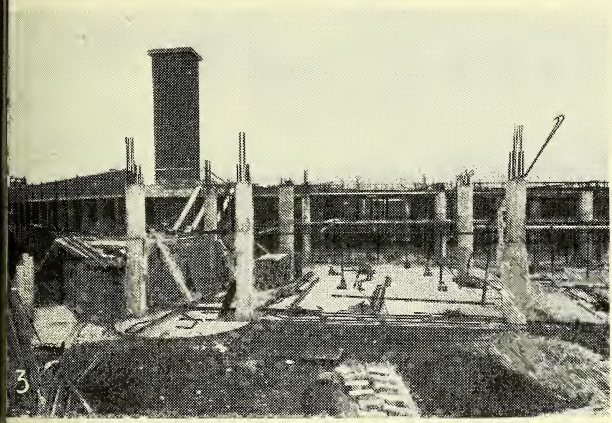
The following price changes which occurred during October should be noted. The drug index for the month was 177.

Cost		Item	Retail price		
d.	per		4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
11	lb.	Acid. acetic. dil.	0 6	0 2	—
54	4 oz.	Balsamum Peruvianum ..	—	1 3	0 [illegible]
299	lb.	Bismuthi carb. ..	10 8	3 1	0 [illegible]
47	oz.	Bismuthi et ammonii citras	—	—	1 [illegible]
26	oz.	Bismuth subgall.	—	3 9	0 [illegible]
268	lb.	Bismuth subnit.	9 7	2 10	0 [illegible]
66	lb.	Caryophylli pulv.	2 5	0 8	0 [illegible]
114	lb.	Cera alba in massa	4 1	1 1	0 [illegible]
120	lb.	Cera alba in .. placentis ..	4 3	1 2	0 [illegible]
48	dr.	Dithranol ..	per gr.	0 2	7 [illegible]
804	dr.	Emetin. hydrochlor. S.1.(4)	per gr.	2 8	—
37	oz.	Eugenol.. ..	—	5 5	0 1[illegible]
73	oz.	Ext. ipecacuanhæ liquidum ..	—	—	1 [illegible]
192	lb.	Inf. senegæ conc.	6 10	2 0	0 [illegible]
42	lb.	Liquor bismuthi et ammon. cit.	1 6	0 5	0 [illegible]
90	lb.	Liquor tolut. ..	3 3	0 11	0 [illegible]
69	lb.	Mist. bismuthi hydroxidi ..	2 9	0 9	0 [illegible]
42	lb.	Ol. terebinthinæ	1 6	0 5	0 [illegible]
85	lb.	Ol. theobromatis	3 0	0 10	0 [illegible]
21	pt.	Paraffin. liq. leve (2s. pint)	0 9	0 2	—
44	½ gall	Spt. methylatus	—	pint	1 [illegible]
74	gall	Spt. methylatus indust. ..	—	pint	1 [illegible]
68	lb.	Tinct. ipecac. ..	2 5	0 8	0 [illegible]
156	lb.	Tinct. senegæ ..	5 6	1 7	0 [illegible]
42	lb.	Ung. hyd. nitrat. dil.	1 6	0 5	0 [illegible]
84	lb.	Zingib. Afric. ..	3 0	0 10	0 [illegible]
108	lb.	Zingib. Jam. ..	3 11	1 1	0 [illegible]

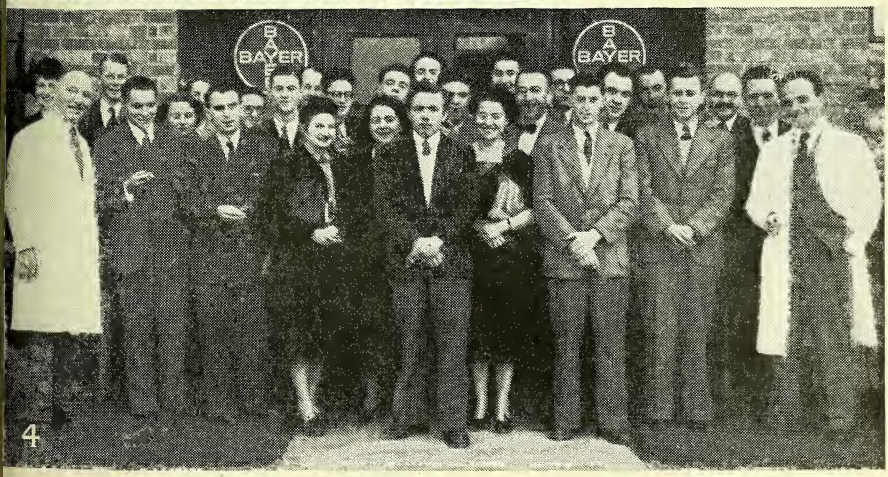




NEWS IN PICTURES



1. Mr. S. Pollitzer (chairman of L. Leichner (London), Ltd.), placed between Stage (represented by Miss Margaret Rawlings) and Screen (represented by Miss Googie Withers) at the company's annual luncheon in London recently to personalities of the theatre, films, and television.
2. At the 1950 National Chemical Exposition, Chicago, U.S.A., Watford Chemical Co., Ltd., London, put on a good show in an attempt to break into the dollar market.
3. Premises now nearing completion at Southampton will provide spacious modern warehouses for Herbert Ferryman, Ltd., wholesale chemists.
4. Twenty Belgian final-year medical students visit the Surrey laboratories of Bayer Products, Ltd., London.



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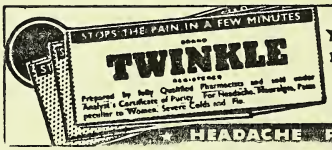

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VOL. CLIV NOVEMBER 25, 1950 No. 3692

Nomenclature of New Drugs

THE World Health Organisation is undertaking the task of providing non-proprietary names for new drugs before those drugs become available commercially. National pharmacopœial authorities are to be requested to notify the W.H.O. of important new drugs for which it would be advisable to find common names for national and international use. Drug manufacturers, research laboratories and administrations controlling pharmaceutical products are also to be invited to notify either their own competent authorities or the W.H.O. direct of new products likely to be placed on sale internationally.

The procedure is an extension of the work of the Expert Committee on the Unification of Pharmacopœias in selecting and approving non-proprietary names for drugs that may be described in the later editions of the Pharmacopœia Internationalis. The recommendation that those officially recognised and approved names should be adopted as pharmacopœial names in the national pharmacopœias is coupled with the idea of preventing the grant of exclusive proprietary rights in such names. The principle to be followed in devising names is to be that of the British Pharmacopœia Commission, preference being given to names already used in the national pharmacopœias, or officially adopted in any country, or which are included in "New and Non-official Remedies." It is intended that a subcommittee of three members elected from the Expert Committee should be responsible for decisions concerning the names to be used. It is noteworthy that the committee has agreed to provide common names for the purposes of international control of addiction-producing drugs.

Undoubtedly British influence will play an important part in realising the ideal of providing *one* name only, internationally accepted and adopted, to identify and control dangerous drugs moving in international commerce. Nevertheless, it will be necessary to make drastic changes in the proposed procedure to achieve the object. For example, endless confusion in narcotics control has resulted recently because many governments do not appreciate that "demerol," "dolantin," "isonipecaine," "lidol," "meperidine" and "pethidine" are all the same drug. At present the name "demerol" is used for Dangerous Drugs estimates and statistics, whereas "pethidinæ hydrochloridum" is the approved pharmacopœial name in the Pharmacopœia Internationalis and British Pharmacopœia. The question which should be abandoned will be difficult to decide.

Far greater difficulties will be met in dealing with the interminable differences in national pharmacopœial titles for the same drug. Thus there are no less than eleven current differences of title for benzocaine, and acetarsol of the British Pharmacopœia is acetphenarsinum in the Belgian, acide *m*-acetylamino-*p*-hydroxyphenylarsinique in the French, acido meta cetilamino-para-hidroxifenil arsinico in the Portuguese and acidum oxyacetilamino phenylarsinicum in the Italian pharmacopœias. Many other similar examples could equally easily be cited.

Minor details such as disagreement in Latin terminations (e.g., codeinum, Ph.I., and codeina, B.P.) require elimination, and a definite decision will have to be made whether "Latin" or "English" names are most suitable in international use.

In one way the adoption of names already in use may act as a deterrent to the simplification of drug nomenclature. Approved names such as the recent "quinalbarbitone" are not of the kind likely to be used by the prescribing physician. The primary objective in devising non-proprietary names should be to make them at least as simple and acceptable as universally known trade names.

Supplementary Payment

It will be recalled by chemist contractors under the National Health Service that at the last national conference of their representatives in April, the attitude of the Ministry towards the general question of arrears of payments was made known. In brief, it was that chemists' position under the arrangements for an initial payment on account and final settlement subsequently was at least as good as if monthly settlement in full had been the method (with payment on the 15th of the following month).

Whatever the validity of those arguments at the time, a combination of increased prices and heavy dispensing months has materially altered the situation for the worse so far as chemists are concerned. The supplementary payment announced by the Minister recently (see *C. & D.*, November 18, p. 536), is his recognition of that fact. In amount it does not correspond to what the majority of contractors would regard as adequate. How it was calculated is not known, though it may be that it is intended to bring the situation to something like parity with what chemists would be receiving under a monthly settlement as referred to above. Unless there is a material improvement in the speed of pricing it is clear that the supplementary payment will not be the last of its kind. At present the indications are that arrears of pricing are still accumulating, and the goal of full pricing is as far off as ever. The authorities should give further attention to that problem.

Record Chemical Exports

Exports in October in the chemicals group once again achieved a record level. Board of Trade returns for the month show that shipments overseas of manufactured chemicals, drugs, dyes and colours reached a total value of £10,599,994, over £397,000 more than in the previous month, which was at that time a record. In October 1949, exports in the group were valued at £7,640,808. Chief markets last month were Australia, £759,974; the U.S., £691,517; India, £689,649; South Africa, £507,681; and Malaya, £411,162. Manufactured drugs, medicines and medicinal preparations were valued at £2,164,622 against £2,196,176 in the previous month and £1,608,853 a year earlier. A feature was the large volume of sales of aspirin, exports of which reached a total of £57,011 (October 1949, £41,366). Quinine and its salts exported were valued at £40,587 (£21,259). Insulin exports fell sharply from £43,268 in September to £30,741 in the following month—a year earlier they totalled £35,796. Penicillin exports were lower in value at £224,111 (October 1949, £268,974). Proprietary medicines, however, greatly increased and totalled £506,035 (£380,503). Principal markets, in order of importance, in October for British-produced medicines were India, Hong Kong and Australia.

Exports of British perfumery and toilet products also increased greatly and were valued (excluding perfumed spirits, essential oils and soap) at £425,922 compared with £372,974 a month earlier and with £326,366 in October 1949. Contributing to the October total, cosmetics produced £154,283, and dental and denture preparations, etc., £90,886. Perfumed spirits exported were valued at £79,815, essential oils at £48,957, and toilet soap, £212,857.

FIFTY YEARS AGO

A Lotion for Cancer

(*From the C. & D., November* 24, 1900)

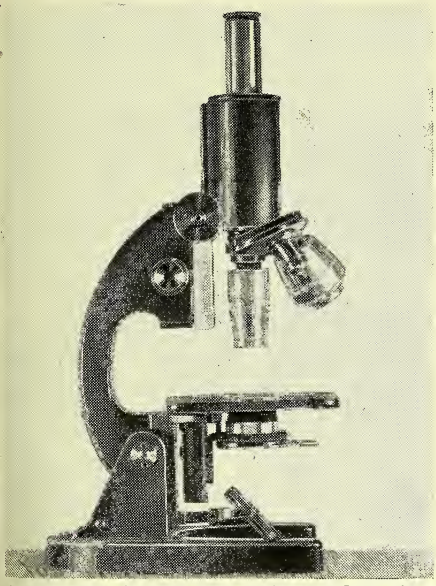
The adjourned inquest into the death of Ellen Dransfield, who died, it was alleged, as the result of treatment for cancer at the hands of an unqualified practitioner named Rawlings, was held at Stockport on November 12. According to the analysis of Mr. A. H. Allen, of Sheffield, the ointment was useless for any curative purpose, being free from any active medicament. The bottle labelled "Cancer and fungus lotion" consisted largely of water. A considerable quantity of wood-tar was also present, together with starchy and other vegetable matter not identified, but it was free from alkaloids and other active ingredients. Two other bottles, bearing the labels "Cancer and tumour lotion" were practically identical, except that one smelt more strongly of cloves than the other. Both samples consisted of a dark aqueous liquid, containing a deposit of highly-burnt breadcrumbs . . . The Coroner committed Rawlings for trial.

RECENT ADVANCES IN MICROSCOPY

By Dr. R. Barer
(*Department of Human Anatomy, University Museum, Oxford*)

1.—REFLECTING MICROSCOPES

THE existence of such a large variety of microscopical methods as are at the scientist's disposal today is an indication that no single method can give him all the information he requires. The modern microscopist must be prepared to synthesise the results of many methods each of which may give useful, though incomplete, information concerning the object under observation. One of the most important trends in microscopy has been to use the microscope as a tool in chemistry. Optical methods such as refractometry, colorimetry, photometry, spectroscopy, etc., have long been used as aids to chemical identification, but it is often desirable to extend them to microscopical samples. The samples may be of relatively homogeneous materials such as crystals, fibres or liquids, or be highly complex and heterogeneous such as biological cells and tissues. The biologist is no longer interested only in the gross appearance of a cell. He would like to know about the characteristics of its chemical composition, too.



An ordinary microscope fitted with two Dyson long working-distance reflecting objectives.

Microspectroscopy

One of the most powerful optical weapons in chemistry is the spectroscope. The combination of the microscope and the spectroscope was a logical development but its success depended on the elaboration of a truly achromatic microscope—i.e., one in which light of all wavelengths forming the image is brought to the same focus. With such an instrument the image can be projected on to the slit of a suitable spectrograph and the absorption record of the microscopic object obtained in any region of the spectrum. The instrument which has made such work possible is the reflecting microscope, i.e., a microscope made with mirrors instead of lenses (see fig. 1). Spherical mirrors can be used, but their performance is limited, and for the best results at least one mirror must be made aspherical. That is a difficult task as the mirror has to be made by hand with great accuracy. The feat was first accomplished by Dr. C. R. Burch, of Bristol, whose reflecting microscope has been used for microspectroscopy in the ultra-violet and infra-red regions of the spectrum. For ultra-violet work a photographic technique is useful, particularly with materials such as biological cells. The absorption of various parts of a cell can

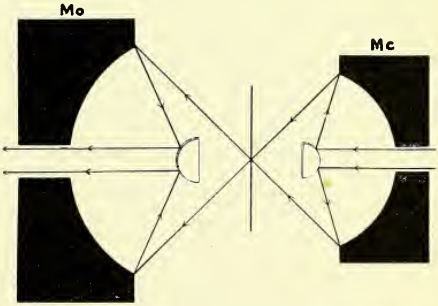


Fig. 1. Diagram of Burch microscope, showing condenser and objective mirror pairs. The large mirrors M_o and M_c are aspherical.

be measured at different wavelengths (see fig. 2) giving an indication of the distribution of chemical materials. The ultra-violet region is particularly useful for the study of substances such as proteins and nucleic acids, which exhibit characteristic absorption bands between 2,500 and 3,000 A. At the other end of the spectrum, the infra-red absorption can give valuable information concerning the presence or absence of many chemical groups such as OH, CH, NH, SH,

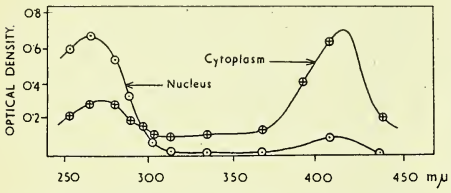


Fig. 2. Absorption curves of points in the cytoplasm and nucleus of a salamander red blood corpuscle. The main nuclear absorption occurs at about 260mμ, corresponding to the absorption of nucleic acids. The main cytoplasmic absorption is at about 410mμ corresponding to an absorption band of hæmoglobin. The cytoplasm shows a smaller absorption at about 280mμ due to the presence of protein. (See Barer, Holiday and Jope, "Biochimica et Biophysica Acta," 1950, 6, 123).

etc. The range of wavelengths usually used for this sort of work extends from about 3μ (30,000 A) to 25μ or more. Such wavelengths have never previously been used in microscopy. An example of the value of infra-red microspectroscopy is seen in fig. 3, which shows the infra-red absorption spectrum of a single microscopic crystal of the antibiotic bialin. Bialin was isolated from a certain *Penicillium*, and there were reasons for believing that it was similar to another substance, mycophenolic acid, isolated from another *Penicillium*. The infra-red absorptions of single unweighable crystals of these two substances were so similar that the chances that they were not identical were negligible. It is clear that this method can be of great value in the identification of newly isolated substances at an early stage when only minute quantities are available. By the use of infra-red microspectroscopy predictions concerning the chemistry of vitamin B_{12} were made when only a few mgm. were in existence throughout the world.

Ultra-violet Microscopy

Reflecting microscopes can be used for straightforward ultra-violet photomicrography. The advantages of ultra-violet microscopy are (1) the use of a short wavelength increases the resolving power (and useful magnification), and (2) many objects (particularly biological cells) which are transparent to visible light may absorb ultra-violet light. Before the advent of reflecting microscopes quartz lenses had to be used for ultra-violet microscopy, since glass is opaque to ultra-violet light. Moreover, as the image was invisible focusing was difficult. The lenses were not achromatic, so that the ultra-violet and visible images did not coincide. Reflecting microscopes enable workers to focus with visible light.

Improving Performance

The difficulty of constructing the Burch microscope has led people to seek for simpler solutions. One way of improving the performance of spherical objectives is by combining them in special ways with lenses. This can be done without interfering too seriously with the achromatic properties of the objective. An excellent design of this type has been developed by D. S. Grey, in the U.S.A. Fig. 4 shows the construction. The lens materials are quartz and fluorite which are both transparent to ultra-violet light. Such objectives are not, however, suitable for infra-red microspectroscopy. The Grey objective has been used for an interesting optical device known as colour translation microscopy. A Russian worker first showed that it was possible to shift or "translate" ultra-violet contrasts to colour contrasts in the visible region. This was done by taking

Fig. 3. Infra-red absorption spectrum of a crystal of bialin. (See Barer, Cole and Thompson, "Nature," 1949, 163, 198.)

ultra-violet photographs of the same object at three different wavelengths. The negatives were then projected through three-colour filters and combined to form a coloured photograph. This system has been developed to a remarkable degree in the U.S.A. A complex instrument incorporating electronically controlled shutters and exposure meters has been constructed for producing the coloured film. The exposed film is passed automatically through hot processing tanks and then into a projector with three-colour filters. A coloured image can be viewed on a screen within a matter of seconds of placing the object under the microscope. It is too early to assess the value of this method, but it may prove to be a useful short cut to micro-spectroscopy, just as simple colorimetry can sometimes give useful information without the necessity for a full spectrophotometric investigation.

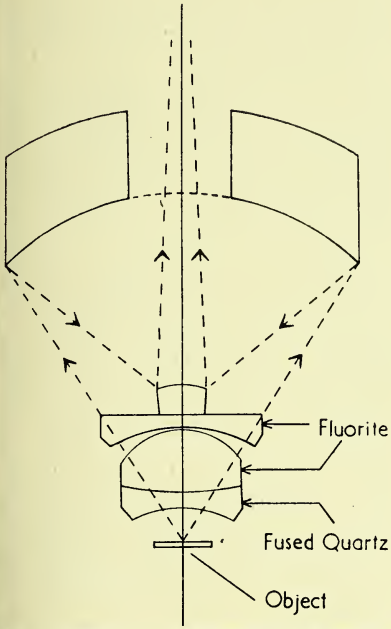


Fig. 4. Diagram of reflecting-refracting microscope objective, designed by D. S. Grey. (See "Journal of the Optical Society of America," 1950, 40, 283.)

Long-working-distance Objectives

Most reflecting microscopes have a much longer working distance than lens microscopes of equivalent magnification, i.e., the clearance between the object under examination and the nearest point of the objective is greater. In the Burch microscope the working distance is about 13 mm., as compared with less than 1 mm. for an equivalent lens microscope. A simple method of obtaining a long working distance has been described by Mr. J. Dyson (fig. 5). This device uses a simple spherical mirror (M) in combination with a half-silvered glass plate (P). An image of the object (O) is formed at (I). This image is only the same size as the object, but it can be examined by an ordinary microscope objective. In this way the working distance is increased from that of the objective alone, to the distance between the object and the glass plate (P). It is possible to make combinations of this sort giving magnifications of about 500 diameters with working distances of about ½ in. Such systems are useful for carrying out micromanipulations in biology and for microchemical procedures, particularly at high temperatures. They are simpler and cheaper to manufacture than the ordinary reflecting microscopes, but do not, of course, possess the same degree of achromatism.

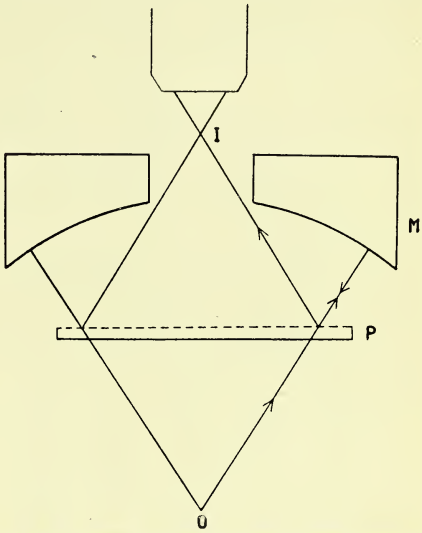


Fig. 5. Diagram of long working distance objective (see Dyson, "Proceedings of the Physical Society," 1949, 62, 565).

LONDON MEDICAL EXHIBITION, 1950

Over 160 exhibitors had stands at the London Medical Exhibition, November 22-24. The exhibits included preparations to be supplied on doctors' prescriptions or recommendation, specifics, antibiotics, surgical appliances, instruments, etc., specially prepared foods and similar products. A number were on show for the first time.

New products shown by May & Baker (Pharmaceutical Specialities), Ltd., included Avomine (promethazine 8-chlorotheophyllinate), a new preparation for travel sickness; Cuprimyl, a preparation used in the treatment of chronic rheumatoid arthritis; Piperoxane, an adrenolytic agent used for the diagnosis of chromaffin tumour. Packs of their crystalline penicillin G buffered (to be available on December 4), were on view.

Vitamin B_{12} in solution, packed in ampoules containing 50 microgm. of the vitamin per c.c. under the name of Cytamen 50, was shown on the stand of Glaxo Laboratories, Ltd. On the same stand were a range of penicillin, streptomycin and dihydrostreptomycin preparations.

The stand of Allen & Hanburys, Ltd., was divided into two parts. In the medical section, new preparations included Seroden (thiacetazone) and penicillin oral tablets containing 100,000 units of crystalline penicillin G, and injection of dimethyl tubocurarine iodide (D.M.E.).

New U.S.P. Compound

Boots Pure Drug Co., Ltd., showed an injection of phenylephrine hydrochloride (a sympathomimetic compound official in the U.S. Pharmacopœia and available in Britain for the first time). Other products included Tolazoline; a prepared sterilised starch powder for use as a dusting powder; Heparin retard; and the company's own model blood-transfusion bottle made in various sizes but with standard Medical Research Council dimensions for the neck and length to fit M.R.C. blood-transfusion apparatus.

Ward, Blenkinsop & Co., Ltd., were showing a range of Penotrane bactericidal compounds, containing a phenyl mercuric complex of dinaphthylmethane disulphonic acid. The company also showed Metrasil brand para-sulphanilamidosalicylic acid, and paraminosalicylic acid packed in wrapped powders.

Among new apparatus was a Minnitt minor gas-and-air analgesia apparatus for use by midwives, weighing only 12 lb. shown by the British Oxygen Co., Ltd. A total of 16 lb. weight had been saved by the company's engineers, mainly in the cylinders which are now made of a special alloy steel, and are half the weight of those they replaced.

The Scholl Manufacturing Co., Ltd. showed a range of foot appliances, arch supports, etc., prepared according to Ministry of Pensions specifications and made of light non-ferrous materials, including rubber, cork and moulded leather.

The Distillers Co. (Biochemicals) Ltd., who were showing at the exhibition for the first time, devoted their stand to their preparations of penicillin, which are made available through six distributors. A new preparation was a mixture of the potassium salt of penicillin with 4.5 per cent. w/w of sodium citrate. Its solution has been found to maintain potency longer than other penicillin solutions.

Exhibitors showing vitamin preparations included John Wyeth & Brother, Ltd. (Beplex in elixir form and in capsules); Parke Davis & Co. (Abidec, a preparation of vitamins in capsule form, packed in bottles of thirty and 250. Chloromycetin was also on display); and Vitamins, Ltd. (new preparation Befortiss (vitamin B complex) elixir).

Roche Products, Ltd., showed Gantrisin, a new readily soluble sulphonamide of low toxicity and wide therapeutic range and Thephorin antihistamine prepared in tablets and ointment was also shown. Duncan, Flockhart & Co., Ltd., showed Domogen, a purified antigenic fraction of common house dust; Xylocaine, a local anæsthetic and Decilderm preparations containing undecylenic acid salts.

Among the foods shown was Cerex, an infant follow-on food, in a new pack, by Cow & Gate, Ltd. A. & R. Scott, Ltd. showed their twin pack of baby foods: strained foods and baby soups, etc. Nestlé Co., Ltd., showed a beef extract jelly in granule form (Maggi brand) which can be reconstituted by the addition of water, and Keen, Robinson & Co., Ltd., showed Robrex, a mixed cereal for infant weaning.

Savory & Moore, Ltd., specialised in their ampoule and tablet preparations. H. R. Napp, Ltd., showed their new product Sorosil, an antipruritic ointment, also their products Minacedin, Ramina and Dyspastol. British Schering, Ltd.

were showing Enterocid and a full range of their products. A new price list was available on the stand. BAYER PRODUCTS, LTD., showed a range of their preparations including Isupren (noradrenaline) and Campolon Forte high-potency liver preparation, and OXO, LTD., showed capsules containing liver extract concentrate, vitamins of the B group and minerals, presented in their preparation Livox capsules. Among other exhibitors ABBOTT LABORATORIES, LTD., showed Norisodrine for the relief of asthma, and Sucaryle, a non-carbohydrate sweetening agent for diabetics; THE ARMOUR LABORATORIES, LTD., Glanoid Proethron 15, a concentrated liquid preparation of liver for intramuscular injection; and BENGER LABORATORIES, LTD., Aluphos, aluminium phosphate gel for gastric disorders and dextran-Benger, sterile, non-pyrogenic six per cent. solution of the polysaccharide dextran in normal saline packed in M.R.C. bottles. BENGUE & CO., LTD., showed Bentonyl pills containing triethanolamine phospho-nitrate.

Urine Test Set

THE BRITISH DRUG HOUSES, LTD., showed the B.D.H. Glucotest outfit, a compact apparatus for urine sugar analysis, Anacobin, a solution of vitamin B_{12}, etc. BURROUGHS WELLCOME & CO. showed their new Neo-Epinine No. 2 compound spray solution, for prolonged bronchosedative and antispasmodic action; CIBA LABORATORIES, LTD., their new handbook No. 4 "The Sex Hormones"; and THE CROOKES LABORATORIES, LTD., Neo-Ferrum (infants) supplied in a dropper bottle. ELI LILLY & CO., LTD., showed Lextron pulvules (prepared from fresh liver and containing vitamin B_{12}), and EVANS MEDICAL SUPPLIES, LTD., Pularin brand of heparin. HERTS PHARMACEUTICALS, LTD., showed Paramisan sodium in cachets, Thioparamizone brand of thiacetazone for tuberculosis treatment and Ethiazone brand of para-ethylsulphonylbenzaldehyde thiosemicarbazone. C. J. HEWLETT & SON, LTD., displayed two ancient medical books, one (1698) on surgery, by Mr. John Brown "sworn chyrurgeon in ordinary to H.M. the king" and the other the "Practice of Physick" (1668) by Lazarus Riverius, physician to the king of France. LEDERLE LABORATORIES, LTD., showed Prenatal capsules; OPPENHEIMER, SON, & CO., LTD., Sanitas antiseptic jelly, etc.; PHARMACEUTICAL LABORATORIES, GEIGY, LTD., Irgapyrin injection solution (containing butazolidine and amidopyrine), etc.; ROUSSEL LABORATORIES, LTD., Amenorone tablets, containing ethisterone and ethinyl-oestradiol, etc.; RYBAR LABORATORIES, LTD., Rybamide for otitis media containing sulphanilamide and urea; and SHARP & DOHME, LTD., exhibited Cremotresamide, a flavoured suspension of sulphamerazine, sulphadiazine and sulphacetamide. IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD., showed Cronetal, a pure form of tetraethylthiuram disulphide, Sulphamezathine, Trilene, and penicillin preparations.

DRUG TARIFF AMENDMENTS

ADVANCE notice of additions and alterations to the December Drug Tariff has been circulated to chemists and doctors. The changes, mainly in Part IV, arise from that part of the National Health Service (General Medical and Pharmaceutical Services) Amendment (No. 2) Regulations (see *C. & D.*, September 23, p. 363), which comes into force on December 1. The list of prescribed reagents (previously reported) is added to Part III. It should be noted that the word "anhydrous" should be deleted after the entry sodium bicarbonate in the specification for diagnostic solution tablets of copper.

Additions and alterations to Part IV include the following:—

ATOMISERS.—Throat and nose nebulised sprays, in all glass, plastic or plastic and glass with rubber bulb where non-metallic mount is specified.

BANDAGES.—Calico, domette, flannel, muslin, crêpe: additional widths to 6 in. included; cotton or rayon and elastic: specifications set out in appendix (folio should read one higher than given); zinc paste (Drug Tariff) and zinc paste and ichthammol width 3½ in. x 6 yd.: when zinc paste bandage is prescribed without further qualification the B.P.C. bandage (4 in.) should be dispensed.

DRESSINGS.—Multiple pack containing 1 oz. absorbent cotton wool, B.P.C., 1 sq. yd. absorbent gauze, B.P.C., sterilised and three 2 in. x 4 yd. bandages, B.P.C.

GAUZES.—Paraffin gauze dressing, B.P.C. (tulle gras), two packs; medicated tulle containing either penicillin or sulphathiazole.

HYPODERMIC SYRINGES.—Luer tip pattern (has a wide nozzle and employs a Luer mount needle with wide hub. It is not a stock type and may have to be specially obtained).

INSUFFLATORS.—Plastic, for inhalation of fine powders.

RUBBER TUBING, SURGICAL.—Specification given for two bores.

SYRINGES.—Ear, all rubber, 2-oz. capacity.

ENEMAS, infants' all rubber, and vulcanite glycerin.

URINE SUGAR ANALYSIS SET (as previously described).

GUIDE TO NEW MEDICAMENTS

MYANESIN ELIXIR

MANUFACTURER: The British Drug Houses, Ltd., Graham Street, London, N.1.

DESCRIPTION: An elixir containing 1 gm. α: β-dihydroxy-γ-(2-methyl phenox propane (Myanesin) in each 15 mils.

INDICATIONS: Spastic hemiplegias and paraplegias of the lower limbs due to cerebr hæmorrhage, disseminated sclerosis, and other upper neurone lesions.

DOSAGE: Half to one tablespoonful, one to six times daily.

HOW SUPPLIED: Bottles of 8 and 40 fl. oz.

BELLAPURIN SUPPOSITORIES

MANUFACTURER: Riddell Products, Ltd., Axtell House, Warwick Street, London, W.

DESCRIPTION AND FORMULA: Suppositories for rectal use each containing: Dry extra of belladonna, 0.022 gm.; papaverine hydrochloride, 0.0218 gm.; ephedrine hydr chloride, 0.0011 gm.; strontium iodide, 0.022 gm.; atropine methylnitrate, 0.00 gm. Each suppository weighs 2.2 gm.

INDICATIONS: Hæmorrhoids, colitis, tenesmus, diseases of the genito-urinary tract.

DOSE: One to two suppositories, two to three times daily.

HOW SUPPLIED: Boxes of twelve and fifty suppositories.

IRGAPYRIN

MANUFACTURER: Pharmaceutical Laboratories Geigy, Ltd., National Buildings, Pa sonage, Manchester, 3.

DESCRIPTION AND FORMULA: An injection solution each 5 c.c. of which contains: Amid pyrine, gr. 12½; and sodium 3,5-dioxo-1,2-diphenyl-4-n-butyl pyrazolidine, gr. 12

INDICATIONS: Rheumatic disorders and the relief of pain.

CONTRAINDICATIONS: Renal weakness, liver damage, severe diabetes, severe compensate cardiac disorders.

DOSAGE: Four or five doses of 5 c.c. by slow intramuscular injection at intervals 24-48 hours. For children 3 c.c. or less.

HOW SUPPLIED: In containers of five and fifty 5-c.c. ampoules.

DISTAQUAINE FORTIFIED

MANUFACTURER: Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19; distributors Allen & Hanburys, Ltd.; The British Drug Houses, Ltd.; Burroughs Wellcome Co.; Evans Medical Supplies, Ltd.; Imperial Chemical (Pharmaceuticals), Ltd Pharmaceutical Specialities (May & Baker), Ltd.

DESCRIPTION: Procaine penicillin G with crystalline potassium penicillin G, and co taining suspending agents for the extemporaneous preparation of an aqueous su pension.

INDICATIONS: Penicillin-susceptible infections in which an immediate dose of solub penicillin combined with a prolonged dosage of the procaine salt is indicated.

DOSAGE: Intramuscularly: One or more injections of the suspension (prepared accor ing to the directions) daily.

HOW SUPPLIED: In vials of Distaquaine fortified, 3+1 (procaine penicillin G, 300,00 i.u., crystalline potassium penicillin G 100,000 i.u.); and of Distaquaine fortifie 9+3 (procaine penicillin G, 900,000 i.u., crystalline potassium penicillin G 300,000 i.u.).

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmaceutical Man-power

SIR,—Mr. Houston's letter concerning the Service dispensing qualification seems to me to raise a point that should be investigated further, in view of the present man-power shortage in pharmacy. The syllabus for the Royal Air Force examination for the trade of "Dispenser" includes elementary chemistry, materia medica, pharmacy, pharmacology and therapeutics, surgical instruments, etc. Moreover, many candidates sitting for a dispenser examination have previously qualified as nursing orderlies, after a practical and theoretical training in anatomy and physiology, nursing, hygiene, etc. The examination is taken under strict conditions which are laid down by Air Ministry Orders, stating the constitution of the examining panel, the syllabus to be covered by questions, etc. A pass means that the "dispenser" is liable to be put in charge of one of the R.A.F. General Hospital (300 beds and over) dispensaries or given a similar position of responsibility. Numbers of these dispensers are still engaged in pharmacy and I think their qualification is at least equal to the Apothecaries' Hall certificate. It would surely be a wise move to have some record of these men and women and to accord them some status.

EMTEEDEE.

SIR,—I cannot agree with "Spatula" (p. 570) that full recognition of holders of the Apothecaries' Hall diploma would solve our problems. I engaged a "Hall" lady a year ago, and discovered she had been trained to make pills galore, but had never seen a copy of the National Formulary! As she was only seventeen years of age and lacked experience, we agreed on a commencing wage of £3 per week (her job with me was her first ever). At the end of two weeks she left to take up hospital work, and I understand her salary to commence with was over £5 per week. I then thought of engaging an intelligent girl with no pharmaceutical training, and giving her a year's patient but thorough training. I accordingly advertised for a girl to act as "dispensing-trainee, matric. or equivalent essential," and received a surprising number of replies. I eventually picked on a girl who can today dispense 75 per cent. of prescriptions received, is able to check incoming drugs and recognise D.D.A. items, and, in between times, keeps the dispensary spick and span. Everything she does is, of course, checked. I feel that there must be many more like her throughout the country. Pharmacists who try out this idea should point out that a "dispensing trainee" can, if she wishes, ultimately qualify, and many would undoubtedly do so.

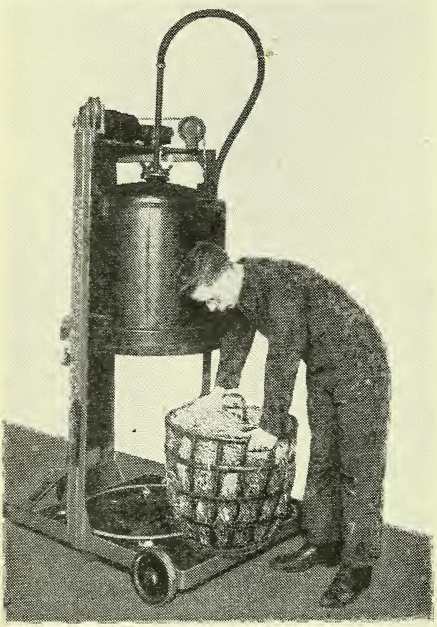
PATRIX.

SIR,—It is not surprising that Apothecaries' Hall dispensers like your correspondent "Spatula" should demand full recognition, when the Council of the Pharmaceutical Society considers creating an army of unqualified dispensers to be named "Technicians." The Council has created for us the present difficulties by altering the syllabus. The result is to drive suitable candidates to other professions. Although we hear speeches on the need of more education, the net result of the Council's policy is that practically all the dispensing is now done by people of little education. Any comparison of the work of the old-type chemist and druggist with that of the modern product is not to the advantage of the latter, who has not the same interest and devotion in his profession, and seems to be fed up from the start. Such do not merit the "meagre salary of university graduates" referred to by your correspondent Mr. Fleming. Prescribing has greatly deteriorated, and for present-day requirements the old chemist and druggist qualification was more than adequate. Some advances in medical treatment need now special methods, and if our Society really means to equip us for that work, the Council has proceeded about it the wrong way. It has crammed the syllabus still further, instead of pruning it drastically of obsolete, now useless, matter. They could have introduced a thorough study of modern subjects and techniques and still more time would have been gained if apprenticeship were made optional. That would have attracted the better type of student, who generally objects to shop routine. After all, the magnitude of present-day dispensing requires competent training and not knowledge of shopkeeping or window dressing.

PH.C.

DEVICES FOR SAFE HANDLING OF CHEMICALS

THE safe handling of corrosive chemicals is a responsibility that must be undertaken in all chemical works and laboratories. How to do it is the subject of a series of exhibits at the Safety Health and Welfare Museum, Horseferry Road, London, S.W.1, a permanent exhibition under the auspices of the Ministry of Labour.



Carboy discharger for corrosive and other liquids (Kestner Evaporator & Engineering Co., Ltd.).

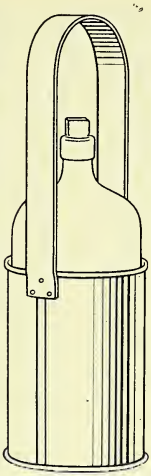
In the chemical section one of the exhibits is a safety jug made of polythene which, since it is unbreakable and chemically inert, is suitable for carrying most acids and alkalis. A closed top prevents splashing, and the amount of liquid exposed to the atmosphere is reduced to a minimum. The handle induces the user to carry the jug suspended at his side and thus away from the face, leaving one hand free to hold a rail if going up or down steps. (Illustration on opposite page.)

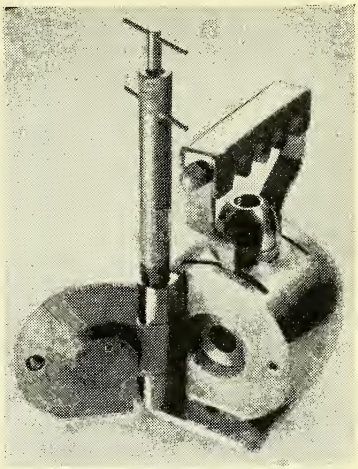
Where Winchester quarts have to be carried from one department to another, a handy carrier exhibited is made of sheet aluminium and fitted with rubber studs to minimise movement within the carrier and to cushion any blow that it may receive. Here again, the handle permits the worker a free hand whilst keeping the substance well away from the face.

Emptying carboys has always been a problem. Not only is the liquid often spilt, but the straw used to pack the carboy in its crate seems invariably to fall into the receiver. Broken glass carboys are common. By using a carboy discharger, several types of which are available, those problems are eliminated. For discharging, the carboy is placed on a platform and locked into position by two handles. A steel container is lowered over the carboy, and compressed air is admitted to the container by means of a three-way cock. As the pressure rises, the acid begins to discharge through the pipe (previously coupled to an outlet). For works having no compressed air service, a model with an electric motor and compressor fitted on the trolley is available.

With the increasing use of radioactive materials, research on containers suitable for their storage has been necessary. A carrier now available is intended to meet the requirements for both high-intensity isotope sources and 250-mgm. radium sources. The carrier is designed to enable radium sources or isotopes to be rapidly interchanged without the operator's receiving excessive radiation. In use, the source is locked in the holder so that accidental removal or dropping is impossible. For single exposures a 45° conical beam of radiation is obtained by opening a hinged gate. A locking mechanism secures the gate in either the open or closed position. A universal tool is used to open the gate and remove the top cap, thus obviating any need to touch the carrier.

Chemical Works Safety Conference.—Nearly 250 higher technical and administrative representatives of the chemical industry attended the third Chemical Works Safety Conference organised for the Association of British Chemical Manufacturers in Scarborough recently. In his opening address, Professor G. M. Newitt (president, Institution of Chemical Engineers) underlined the value of introducing a study of safety measures at an early stage in the training of chemical engineers. The question master at a two-way "Brains Trust" was Mr. H. R. Payne (Imperial Chemical Industries, Ltd., chairman of the A.B.C.M. Works Safety Committee).





CONTAINERS FOR CARRYING CHEMICALS.—Left: Polythene safety jug (Rediweld, Ltd.). Centre: Carrier for Winchesters (Osram G.E.C. Works). Right: Portable carrier for radioactive substances, showing door open for unidirectional radiation and universal tool in position (Johnson, Matthey & Co., Ltd.).

SAFETY IN THE DRUG INDUSTRY

By Alec Webster, M.Sc., M.I.Chem.E., A.R.I.C.

There is little basic difference between safety in the drug industry and in any other industry. Safety measures can be readily provided if the risks are understood and anticipated. Operatives should be told what the risks are and of the safety measures that the management are taking. In general, the industry must comply with the requirements of the various Factories Acts and, in some cases, the Public Health Acts; machines must be guarded, smoke must be consumed, and so on. Where toxic solids or preparations are being handled the provision of adequate ventilation, preferably localised, is particularly important, to prevent contamination of the atmosphere. Wherever mechanical ventilation is used, some form of dust collector may be necessary to prevent the dust being disseminated over the surrounding neighbourhood. Adequate ventilation is equally important where solvents are used. Drugs and fine chemicals are usually prepared in batches which means that there are frequent stoppages with the consequent opportunities for cleaning and maintaining plant. There may be also frequent changes in the nature of the product made in any particular plant—a fact that calls for specially scrupulous cleaning and examination of plant. Opportunities to inspect plant for signs of wear and corrosion should never be missed. Serious accidents have been caused by the bursting of steam-jacketed pans due to corrosion at welds, etc., and to undetected corrosion. The high standard of cleanliness and good housekeeping should be carried to parts of the plant where it may not always be thought so essential.

There seems very little chance of preventing the dust hazard from unenclosed tableting machines. It is often necessary to keep machines under constant observation, and for this reason machines may be found not adequately guarded, or with the guard purposely removed. The difficulty may sometimes be overcome by fitting guards of transparent material, which, in addition, could be designed to provide for localised ventilation. As a last resort in protecting operatives against dusts and fumes, a dust mask or breathing apparatus may be used. The operatives should be given instructions in their use.

Masks, breathing apparatus and protective clothing should be provided and be kept readily available for use in an emergency, such as a leak of acid, or failure of localised ventilation. Operatives should be given regular training in its use. There is now a statutory requirement that all approved breathing apparatus be inspected not less than once a month.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Nov. 22

DEMAND for PHARMACEUTICAL and FINE CHEMICALS remains active both for the home trade and export. Supplies of ASPIRIN, and SALICYLATES generally, are in good inquiry for export markets. Containers, particularly drums, have become very short during the past few weeks. Price movements have included a sharp rise in MERCURIALS brought about by recent advances in metal; AMMONIATED, has increased by 1s. 5d., PERCHLORIDE, by 1s. 4d., and CALOMEL and OXIDES by 1s. 6d. per lb. ROCHELLE SALT and SEIDLITZ POWDER have risen in price reflecting the recent increase in TARTARIC ACID.

Acetone Supplies

Owing to the uncertainty of obtaining supplies of isopropanol for the production of ACETONE, distillers of the latter are to limit their deliveries to 60 per cent. of the average monthly quantity hitherto supplied to consumers. Only a moderate trade has been done in CRUDE DRUGS, though the market generally remains firm, with shortages of supplies. Small quantities of Portuguese ERGOT on the spot have been offering at 50s. per lb. Current season's CASCARA SAGRADA, in course of landing, is offered at 350s. per cwt., duty paid, while 5s. per cwt. more than that price is asked for small stocks of 1949 peel. Business has been done in Cape ALOES for shipment from origin, though it is still very difficult to obtain offers; Curaçao material is dearer on the spot. A substantial business has been done in OLIBANUM and all good-quality drop has been cleared from the market. There is no improvement in the supply position of SENNA LEAVES and PODS. Any Tinnevelly leaves now coming out of India would, it is thought, be of poor quality and spot supplies are very low; no pods are available. Jamaican native red SARSAPARILLA is in good request and the shipment market is firmer. GUM ACACIA has attracted interest and business has been done in old-crop Kordofan sorts at 109s. per cwt., c.i.f. TRAGACANTH is unchanged. Prices of BEESWAX and CARNAUBA WAX have advanced.

The MENTHOL market is steady, though supplies on the spot are small. The Chinese Government has imposed an export tax of 7½ per cent. on menthol and on PEPPERMINT OIL. ESSENTIAL OILS markets generally have been quiet. There are few offers of new-crop BERGAMOT from Italy. French LAVENDER and LAVANDIN are dearer for shipment. Chinese ANISE has been marked up slightly. Ceylon CITRONELLA is a firm market. English-distilled CLOVE has been increased by 2s. per lb.

U.S. Drug and Chemical Report

New York, November 17

INQUIRY for PHARMACEUTICAL and FINE CHEMICALS continues on a good level, and there has been a substantial demand for ANTIBIOTICS during the past week. Demand for refined GLYCERIN is said to have slackened off to some extent, following reports of new high-level output in September of 29,950,000 lb. or some 645,000 lb. more than the August total. Spot supplies of MENTHOL are low and nominal quotations are from $11.25 to $11.50 per lb.; arrivals from China are expected to ease the situation in the near future. It is reported that Japan will produce about 90,000 lb. of menthol from new-crop peppermint oil, but prices are above those for material from China. The BOTANICAL DRUGS market continues firm despite limited demand; small stocks and higher prices at primary sources are responsible for the current situation. The export business is said to be good. Tinnevelly SENNA LEAVES are very short and little is being offered from India. Other drugs imported from India are showing strength. BALSAM TOLU is very scarce. SENEGA, HYDRASTIS and IPECACUANHA ROOTS are firm markets, and it is thought that an increase in demand, however slight, would result in still higher prices for these drugs. TRAGACANTH is dearer: No. 1 ribbon is now $3.75 and No. 3, $2.35 per lb. There has been renewal of demand for ESSENTIAL OILS, though there are indications that buyers intend to keep their inventories to a minimum. Firm markets have obtained for CASSIA, EUCALYPTUS and CANANGA. Small increases have occurred in prices of GUAIACWOOD and CEDARLEAF. An easier trend is developing in Italian LEMON, owing to new-crop influences; Californian lemon, however, remains firm and demand is good.

Pharmaceutical Chemicals

ASCORBIC ACID.—1-kilo lots for the home trade are £14 per kilo; 500-gm., £14 10s. per kilo.

BARIUM SULPHATE.—1-cwt. lots are now 1s. 4½d. per lb. Scheduled rates per lb. (containers in brackets) for quantities between 28 lb. and 1 cwt. are as follows:—1s. 10d. (1-lb.); 1s. 7½d. (7-lb.); 1s. 7d. (14-lb.); 1s. 6d. (28-lb.).

CAFFEINE.—Steady. Makers' home-trade prices for 1-cwt. lots are (per lb.) as follows:—ALKALOID, B.P., 37s. 6d. and anhydrous, 39s.; CITRATE, B.P.C., 21s. 6d.; SODIUM BENZOATE, B.P., 23s. 6d.; SODIUM SALICYLATE, B.P.C., 24s. 6d. CAFFEINE and SODIUM IODIDE is 30s. per lb.

CALAMINE.—Firm. 1-cwt. lots are quoted at 2s. per lb.

DEXTROSE. — Steady. MONOHYDRATE, B.P. (in less than 5-cwt. lots), 28-lb. tins are quoted at 40s. per tin; 14-lb. tins, 21s. 6d.; 7-lb. tins, 11s. 6d.; less 12½ per cent. to wholesalers, delivered. In quantities of 5 cwt. and over, 28-lb. tins are 2s., 14-lb. tins, 1s. 6d., and 7-lb. tins, 1s., less than above prices. ANHYDROUS, B.P. (in less than 5-cwt. lots), 28-lb. tins, 42s. per tin; 14-lb. tins, 22s. 6d.; 7-lb. tins, 12s.; less 12½ per cent. to wholesalers, delivered. Reductions for quantities of 5-cwt. and over are the same as for the monohydrate.

GLUCOSE.—LIQUID, B.P., in 25-cwt. lots, is quoted at £66 5s. per ton in non-returnable 5-cwt. drums; smaller quantities are upwards of £67 per ton.

MERCURY DERIVATIVES. — Higher prices announced on November 20. AMMONIATED, B.P., powder is now 11s. 8d. (1-cwt.) to 12s. 4d. (7-lb.) per lb.; lump is twopence per lb. less. PERCHLORIDE, B.P., powder is from 9s. 10d. to 10s. 6d.; lump, sixpence per lb. more. CHLORIDE, B.P. (calomel) is from 11s. 9d. to 12s. 5d. per lb. OXIDES, B.P.C., levigated, or yellow, B.P., are from 12s. 3d. to 12s. 11d.

METHYL SALICYLATE.—Current rates are as follows: Winchesters, 2s. 8½d. per lb.; 56-lb. lots in demijohns, 2s. 7d.; 1-cwt., in demijohns or carboys, 2s. 6½d.; 5-cwt., 2s. 6d.; net.

PHENOBARBITONE. — Home-trade prices are unchanged at from 35s. per lb. upwards, according to quantity.

QUININE. — Makers' rates (per oz.) to home-trade distributors are given below: additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYLSALICYLATE, 6s. 3d. to 6s. 9d.; BISULPHATE, 3s. 7d. to 4s. 1d. DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCEROPHOSPHATE, and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDROCHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE and UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

ROCHELLE SALT. — Higher prices have been announced with effect from November 16. Rates per cwt. for powdered or granular material are: 5-cwt., 155s.; 1-cwt., 157s. 6d. Crystal is 2s. 6d. per cwt. more. Correspondingly higher prices are asked for SEIDLITZ POWDER. Ordinary grade is now 120s. 6d. per cwt. in 5-cwt. lots; 1-cwt., 122s. 6d. Extra strong is 130s. (5-cwt.) and 132s. (1-cwt.); double strength, 137s. 9d. (5-cwt.) and 140s. (1-cwt.). Packed in 1-cwt. free casks and cases.

TANNIC ACID.—Firm. Home-trade rate for Levis, B.P. (ex ether) in 1-cwt. lots is 7s. 6d. per lb.; B.P. powder is quoted at 7s. 3d. per lb. for the same quantity.

Crude Drugs

AGAR.—Steady. Kobé No. 1 on the spot is at from 9s. 6d. to 9s. 9d. per lb., duty paid.

ALOES.—Firm. Cape is quoted at 175s. per cwt., c.i.f. Curaçao is dearer at 225s. per cwt., spot.

BALSAMS.—*Canada*, 23s. per lb., on the spot; for shipment, 21s. per lb., c.i.f., nominal. *Copaiba*, B.P. soluble, on spot is quoted at 9s. 6d. per lb., duty paid. San Salvador *Peru* is quoted at 9s. to 9s. 6d. per lb., duty paid (8s. 3d. in bond). *Tolu* is quoted at 21s. to 22s. per lb., spot.

BENZOIN.—Sumatra block on the spot is higher in price at £25 per cwt. for the No. 1 quality; forward, £22 10s., nominal, c.i.f. Siam almonds, from 29s. to 30s., spot; for shipment, 27s. 6d. per lb., c.i.f.

CAMPHOR. — Chinese powder, B.P., is from 4s. 6d. per lb.; and B.B., 4s. 3d.; ¼-oz. tablets, 5s. 6d.; 2½-lb. slabs, 5s.; all duty paid, in London.

CANTHARIDES. — Chinese on the spot is 5s. 6d. per lb.; for November-December shipment from Hong Kong, 4s. 11d., c.i.f.

CASCARA SAGRADA.—Firm. 1950 peel is offering at 350s. per cwt., duty paid; for shipment, 310s., c.i.f. 1949 peel is reported available at 355s. per cwt., duty paid.

CHAMOMILE FLOWERS. — Belgian new-crop Roman, 4s. 6d. per lb., duty paid, nominal.

CLOVES. — Quiet. Zanzibar on spot, sellers at 2s. 2d. per lb.; November-December, 1s. 10½d., c.i.f. Madagascar, 2s. per lb., in bond; December-January, 1s. 8d., c.i.f.

COD-LIVER OIL.—Medicinal (B.P.) oil in bulk, supplied to wholesale distributors, is quoted as follows:—In 45-gall. drums, 12s. per gall., plus 30s. charge for loaned drums; in 25-gall. drums, 12s. per gall., plus 20s. for loaned drums; 5-gall. drums, 13s. per gall. (drum included and not returnable); 1-gall. tins, 13s. 6d.

ERGOT.—Firm. Spot supplies are now at 50s. per lb.; forward, 46s. to 47s., c.i.f.

FRANGULA BARK.—Quotations are in the region of 85s. per cwt., duty paid, spot.

GALLS.—A parcel of Persian blue is reported offering at upwards of 200s. per cwt., ex wharf London.

GENTIAN. — Spot quotations are from 97s. 6d. to 100s. per cwt.

GINGER.—African is offered at 325s. per cwt., spot. Jamaica, No. 3, 480s. per cwt., nominal, spot; No. 1 on the spot, 485s.

GUAIACUM.—Supplies of resin on the spot are offering at 3s. 3d. to 3s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, scarce at 117s. 6d. per cwt., spot London or Liverpool; November-December, 109s., c.i.f.; January-February, 103s., c.i.f.

GAMBOGE.—Siam pipe is offered at £40 per cwt., duty paid; powder is quoted at 11s. 6d. per lb., spot London.

HENBANE.—Egyptian (*H. muticus*), f.a.q. is offering from origin at from 85s. to 86s. per cwt., c.i.f. *Niger* (0.4 per cent. alkaloids), 4s. 3d. per lb., spot.

IPECACUANHA. — Prices are unchanged. Colombian, 42s. 6d. per lb., spot; for shipment, 41s. to 41s. 6d. Nicaraguan, scarce, 45s., spot, quoted. Matto Grosso, 44s., spot; Minas, 43s. to 44s., spot.

JALAP.—Brazilian root (16.9 per cent. resin) on the spot is offering at 2s. per lb.; Mexican, to arrive shortly, from 3s. 6d. to 4s. per lb., landed terms.

KARAYA.—No. 1 on the spot is quoted at 400s., and No. 2, 325s. per cwt.

KOLA NUTS.—African quarters, 6d. per lb., spot, value; African ½'s for shipment, 4½d., c.i.f., indicated.

LIQUORICE.—Anatolian natural root on the spot is quoted at 47s. per cwt. and Syrian at 42s. 6d. in Liverpool. British block, 150s. to 195s. per cwt., as to grade. Turkish block juice is quoted at from 150s. to 220s., duty paid, according to holder. Turkish stick is from 285s., duty paid. Italian stick is from 240s. to 475s. per cwt., duty paid.

MACE.—West Indian pale blade is quoted at 9s.; for shipment, 9s., c.i.f.

MENTHOL.—Firm. Chinese on the spot is offering at from 105s. to 110s. per cwt., duty paid (in bond, 100s.); afloat 91s., c.i.f.

MERCURY.—Spot quotations are from £31 to £31 5s. per flask, ex warehouse; forward, nominal.

MYRRH. — Aden sorts, quoted at from £10 10s. to £12 per cwt.; siftings, £6 10s. to £7; both spot London.

NUTMEGS. — West Indian 80's, 4s. 6d. per lb.; unassorted, 3s. 10d., and wormy, 2s. 10d., spot London. East Indian 80's, for shipment, 5s. 7d., c.i.f.

ORANGE PEEL.—Thin cut Tripoli to arrive, 1s. 4½d., c.i.f.

PIMENTO.—Quiet. Spot quotations are from 1s. 8½d. per lb.

PODOPHYLLUM. — Indian (*emodi*), for shipment, business done at 450s. per cwt., c.i.f.

PSYLLIUM.—A parcel of Indian seed is offered at 125s. per cwt., ex store Liverpool.

QUASSIA. — Quiet. Chips on spot are 32s. per cwt.; for shipment, 29s. 6d., c.i.f.

RHUBARB. — Good-quality Chinese rough round is from 7s. to 8s. 9d. per lb., duty paid. Lower grades are available at from 6s. per lb., duty paid.

SARSAPARILLA.—Jamaican native red on spot is 2s. 6d. per lb.; for shipment, 2s. 4d. to 2s. 5d., c.i.f.

SEEDS.—Turkish ANISE on the spot is 145s. per cwt. in bond and 157s. 6d. per cwt., duty paid. Cyprus is quoted at 175s. per cwt., spot Liverpool. CARAWAY.—Dutch is firmer with 165s. per cwt., duty paid, quoted for small lots. CELERY.—Indian is unchanged at 1s. 10½d. per lb., spot London. CORIANDER.—Market continues firm. Spot Morocco is offered at 175s. per cwt., duty paid, and 165s. per cwt. in bond; for shipment, 145s. per cwt., c.i.f. London, is quoted. CUMIN. — Market unchanged. Spot Cyprus is 205s. per cwt.; Indian, 200s. ex store Liverpool. Cyprus for shipment is 192s. 6d. per cwt., Indian, 180s. per cwt., and Morocco, 250s. per cwt., all c.i.f. London or Liverpool. DILL.—Sellers of Indian on spot at 80s. per cwt. FENNEL. —Indian is quoted at 100s. per cwt., spot London. FENUGREEK.—Morocco on spot is quoted at 50s. per cwt., duty paid, in London or Liverpool.

SENEGA. — Spot quotations are from 18s. 6d. to 18s. 9d. per lb.

SENNA.—Firm. Tinnevelly leaves, f.a.q., No. 1, 1s. 4d.; No. 2, 1s. 2½d.; No. 3, 1s. 1½d., spot, nominal. Tinnevelly hand-picked pods are from 2s. to 2s. 3d., spot. Alexandrian pods, 1s. 6d. per lb. nominal, spot; Alexandrian broken leaves are offered at from 9½d. to 10½d. per lb. and siftings at from 8½d. to 9½d.

SHELLAC. — F.O.T.N., pure, is 330s.; F.O. Standard No. 1, 340s.; and fine orange, from 360s. to 420s. per cwt., spot London.

STYRAX.—Spot quotations for crude are from 7s. to 7s. 6d. per lb., duty paid.

TRAGACANTH.—White ribbon, selected, is quoted at £150 per cwt.; No. 1, £145; No. 2, £127; No. 3, £110, spot.

WAXES.—Dar-es-Salaam BEES' on the spot is now 530s. per cwt.; November-December shipment, 157s. 6d., c.i.f., nominal. Benguela is 460s. per cwt. in bond; November-December shipment, 440s., c.i.f. Sudanese and Abyssinian, on the spot, are 500s. per cwt., duty paid; for shipment, 455s., c.i.f. CANDELILLA.—Spot, 525s. per cwt. CARNAUBA.—Prime yellow is quoted at 1,030s. per cwt., spot; afloat, 960s., c.i.f.; November-December shipment, 975s., c.i.f. Fatty grey is scarce on the spot and is nominally 875s. per cwt.; afloat, 860s., c.i.f.; November-December-January shipment, 865s., c.i.f. MONTAN.—Reibeck, 127s. 6d. per cwt., spot; for shipment, 115s., c.i.f. OURICURI.—1.1 per cent. impurities, 790s. per cwt., spot; 0.5 per cent. impurities, November-December shipment, 785s., c.i.f.

Essential and Expressed Oils

ALMOND.—Expressed sweet oil (B.P.) on the spot has been marked down slightly and is from 5s. to 5s. 9d. per lb.; Bitter essential oil, s.a.p., on the spot, is from 24s. to 55s. per lb., as to grade.

ANISE.—Spot offers are from 9s. 6d. to 9s. 9d. per lb.; November-December shipment, 9s. 7½d.

CANANGA.—Firm. Java is offering at upwards from 44s. to 45s. per lb., spot.

CARAWAY. — Firm. English-distilled is quoted at from 40s.; imported oils are offered at from 32s. 6d. to 35s .per lb., spot.

CASSIA.—Continues scarce on the spot at from 26s. per lb.; November-December shipment, 23s., c.i.f., nominal.

CITRONELLA. — Firm. Ceylon is from 10s. 9d. to 11d. per lb. on the spot: November-December, 10s. 6d., c.i.f. Java for shipment, 17s. 6d., c.i.f.

CLOVE.—Firm. English-distilled bud oil is dearer at from 17s. 6d. to 18s. 6d. per lb., as to quantity; Zanzibar re-worked stem oil on the spot is quoted at 12s. 6d. per lb. Madagascar leaf, nominal, spot.

CORIANDER. — English-distilled is quoted at about 240s. to 260s. per lb. Dutch on the spot, 175s. per lb., duty paid.

CUBEBS. — Supplies of English-distilled offered at from 50s. to 55s. per lb. Imported is quoted at from 52s. to 55s.

CUMIN.—Quotations for English-distilled are at about 80s. per lb.

EUCALYPTUS. — Australian 70-75 per cent. (B.P.), is nominally 6s. 9d. to 7s. per lb., spot; 80-85 per cent., 7s. 3d. to 7s. 6d. per lb.

GERANIUM. — Bourbon, 215s. per cwt., spot; for shipment, 180s., c.i.f.

LAVANDIN. — Firm. Supplies on the spot are offered at from about 20s. to 25s. per lb.; for shipment, 26s. to 27s., c.i.f.

LEMON.—New-crop Sicilian hand-pressed for December-January shipment, 29s. to 33s. per lb., c.i.f. London.

LEMONGRASS.—Spot supplies are quoted at from 18s. 6d. to 19s. 6d. per lb.; November-December, 18s., c.i.f.

MANDARIN. — New-crop is quoted at 34s., c.i.f. London, for December-January shipment.

OLIVE.—New-crop French virgin oil in 200-kilo drums is offering at about 22s. 2d. per gall., c.i.f. London, and pharmaceutical quality at 21s. 5d., c.i.f. London. Tunisian virgin oil is quoted at 21s. 10d., c.i.f. London.

PALMAROSA.—Spot supplies are offered at about 54s. per lb.

PATCHOULI. — Any spot supplies would be valued at from about 150s. to 160s. per lb.

PEPPERMINT.—Chinese in drums, 33s. to 35s. per lb., spot (November-December shipment, 28s. 9d., c.i.f.). Brazilian is 35s. per lb., spot. *Piperita* is offered at from 60s. to 62s. per lb., spot.

VETIVERT.—Bourbon on spot is quoted at 205s. per lb., nominal.

PAPER BOX STANDARDS

THE British Standards Institution has prepared a standard (B.S. 1679:1950) for paper boxes to take pills, tablets, ointments, etc. The standard specifies minimum thicknesses of board used in making boxes for National Health Service dispensing and standardises the identification references for the various sizes of containers. A uniform reference is given, based on fluid-drachm water capacity and the reference unit number of any size of box, in any range, is its capacity in fluid drachms of water. The scheme differs from any system known to be in use at the time of publication, and to facilitate its adoption a link has been preserved between the old and new notations by a table indicating the number of units of each type of product which represents one nominal ounce under the former description, as shown in the following table:—

Type of Container	B.S. Reference Unit Number	Water Capacity in Fluid Drachms Equivalent to former Description 1 oz.
Pill, standard deep.	1½, 3, 6, 9 and 12	6
Pill, standard shallow (two-thirds of depth of 'standard deep').	1, 2, 4, 6 and 8	4
Pill, special flanged.	1½, 3, 4½, 9, 12, 24, 36, 48, 72 and 96	6
Ointment, standard deep.	1¼, 2½, 5, 10, 15, 20, 30 and 40	10 *N.B.* A box of 1 nominal oz. holds 480 grains of soft paraffin.
Ointment, standard shallow (three-fifths of depth of 'standard deep').	1½, 3, 6, 9 and 12	6
Ointment, special.	5, 10, 20, 40, 80 and 160	10
Crystal, (Epsom salts).	10, 20, 40, 60, 80 and 160	10
Powder, (magnesia light).	3, 6, 12, 24, 48, 96 and 192	48

Copies of the standard may be obtained from the Institution, 24 Victoria Street, London, S.W.1 (price one shilling).

COMING EVENTS

Monday, November 27

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Red Cross Room, Common Hall, Hackins Hey, Liverpool, at 7.45 p.m. Address by Dr. G. F. Bader (dermatologist).

Tuesday, November 28

EASTBOURNE BRANCH, PHARMACEUTICAL SOCIETY, Plummer's Restaurant, Terminus Road, Eastbourne, at 7.30 p.m. Mr. F. W. Adams (registrar of the Society), on "Pharmaceutical Education."

ILFORD, BARKING AND WEST ESSEX BRANCH, NATIONAL PHARMACEUTICAL UNION, Angel Hotel, 109 High Road, Ilford, Essex, at 7.45 p.m. Annual meeting, Mr. H. E. Chapman, M.P.S. (secretary of the P.A.T.A. and chairman of the Fair Prices Defence Committee), on "The Danger to Price Protection."

PHARMACY GROUP, SOCIALIST MEDICAL ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 7.45 p.m. Mr. W. S. Benjamin, M.P.S., on "A Pharmacist Visits Czechoslovakia."

SOUTH-EASTERN METROPOLITAN ASSOCIATION and BRANCH, Grove Tavern, 26 Camberwell Grove, London, S.E.5, at 7.30 p.m. Mr. E. L. Grew (laboratory manager, Johnson & Johnson, Ltd.), on "The Manufacture of Surgical Dressings."

Wednesday, November 29

BIRMINGHAM PHARMACEUTICAL ASSOCIATON and BRANCH, Botanical Gardens, Edgbaston, Birmingham, at 8 p.m. Dance.

EDINBURGH BRANCH, PHARMACEUTICAL SOCIETY, Caledonian Hotel, Princes Street, Edinburgh, at 7 for 7.30 p.m. Dinner and dance.

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Sheffield, at 7.30 p.m. Illustrated address by Mr. F. G. Wrigley, M.P.S., on "An Antidote to the Practice of Pharmacy."

Thursday, November 30

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Nayland Rock Hotel, Margate, at 7 for 7.15 p.m. Dinner and dance.

MANSFIELD BRANCH, PHARMACEUTICAL SOCIETY, Co-operative Café, Stockwell Gate, Mansfield, at 7.30 for 8 p.m. Supper and social evening.

MANCHESTER PHARMACEUTICAL ASSOCIATION and BRANCH, Lecture theatre, St. Mary's Hospital, Manchester. Symposium on some newer remedies.

Friday, December 1

LEEDS BRANCH, NATIONAL PHARMACEUTICAL UNION, Metropole Hotel, Leeds, at 7.30 p.m. Alderman W. J. Tristram, J.P. (a member of the Pharmaceutical Society's Council and of the N.P.U. Executive), on "Whitehall, Queen Square and the Pharmacist."

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial Hotel, Hull, at 8 p.m. Lecture and demonstration by a representative of Max Factor, Hollywood & London, Ltd.

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and BRANCH, Carpenter's Restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Address by Dr. K. R. Capper, B.Pharm., Ph.C., D.I.C.

SOUTH-EASTERN [LONDON] ASSOCIATIONS and BRANCH are holding their annual dinner and dance on January 1, 1951.

TRADE MARKS

(*From "Trade Marks Journal," August* 30)

For Pharmaceutical preparations (5).—"JONOID"; by Arthur Chemicals, Ltd., Mitcham, Surrey; 673,279. [Corrected note.]

(*From the "Trade Marks Journal," November* 8)

For all goods (5).—"ADEXOCAL" "ABETADEX"; by Glaxo Laboratories, Ltd., Greenford; 689,953-690,223.

For non-medicated toilet paper (16).—"BRUMAS"; by Harold Wesley, Ltd., London, N.W.10; 689,801.

For non-medicated hair lotions (3).—"PROMOSA"; by Clementine Camille Marie Palanque, London, W.2; 678,246.

For toilet soap and non-medicated toilet cream (3).—"SILKSKEEN"; by Droyt Products, Ltd., Chorley; 681,856.

For detergents (3).—"SUDEX"; by Boots Pure Drug Co., Ltd., Nottingham; B686,755.

For shaving soaps and creams (3).—"SOLRAY"; by Solflower, Ltd., Newport; 687,661.

For hair lotion (3).—"R. OWENS" (in distinctive lettering); by Richard Owens, Ammanford; 688,402.

For solid, liquid, paste, flake or powder soap and non-medicated toilet preparations (3).—"SABRAN"; by Compo, Ltd., Dukinfield; 689,402.

For non-medicated toilet preparations (3). — "DELLAC"; by Louis Tschanz, Comptoir de la Parfumerie, Geneva; 689,408.

For non-medicated toilet preparations (3).— "GRENADIER"; by Goya, Ltd., London, W.1; 689,970.

For liquid soaps (3).—"SPENSPOT"; by Spencer & Co., Blackpool; 690,318.

For medicated jujubes and lozenges (5). — "EUMENTHOL" and circular device of snake and tree; by Hudson's Eumenthol Chemical Co., Pty., Ltd., Sydney; 678,430.

For pharmaceutical compounds of penicillin (5). —"PENAQUA"; by Bristol Laboratories, Inc., New York; 679,569.

For pharmaceutical preparations (5).—"BACTULIN"; by Southon Laboratories, Ltd., London, S.W.15; 680,818. "MELOSTROPHAN"; by M. Woelm, Eschwege; B684,886. "BUFSOL"; by Savory & Moore, Ltd., London, W.1; 687,792. "ANGIER'S STOMACH TABLETS"; by the Angier Chemical Co., Ltd., London, E.C.1; 689,744. "ACNOFAX"; by Hough, Hoseason & Co., Ltd., Manchester; 689,779. "PRINALKA"; by Medopharma, Ltd., Richmond; 690,278. "CAMVIVA"; by Camden Chemical Co., Ltd., London, W.C.2; 691,531.

For infants' and invalids' foods (5).—"CASILAN"; by Glaxo Laboratories, Ltd., Greenford; 688,416.

For insecticides and fungicides (5).—"SANBIN"; by Harry Ibbetson, Barking; 688,884. "TRIOXONE"; by Plant Protection, Ltd., Yalding; 689,754.

For medicated mint-flavoured confectionery (5). —"ZEPHYR-MINTS"; by Albert Marriott Bryan, Mirfield; 689,263.

For anti-histaminic preparations (5).—"ANTHISAN"; by May & Baker, Ltd., Dagenham; 689,855.

For medicated tonic preparations (5).—"SEDOTONIC"; by Clinical Products, Ltd., Richmond; 690,005.

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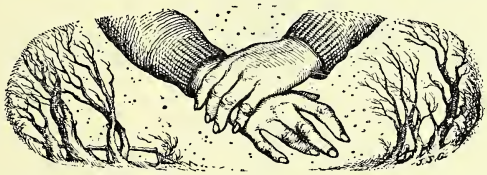

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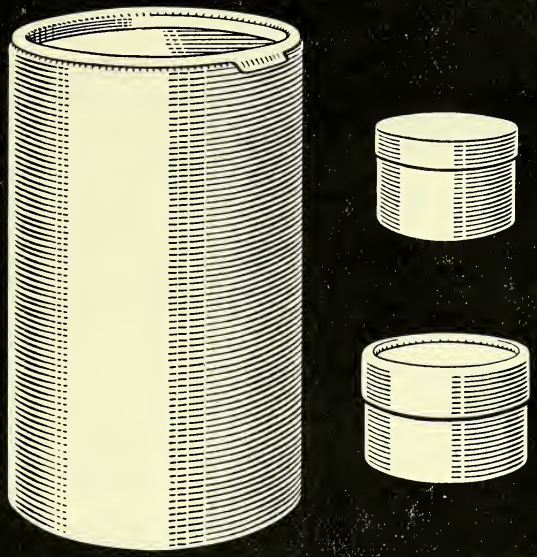

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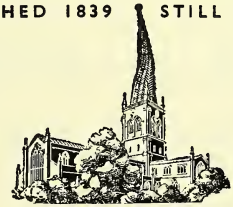

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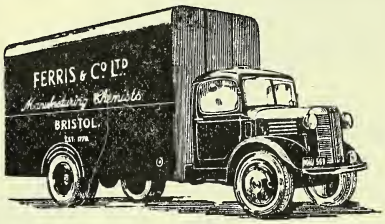

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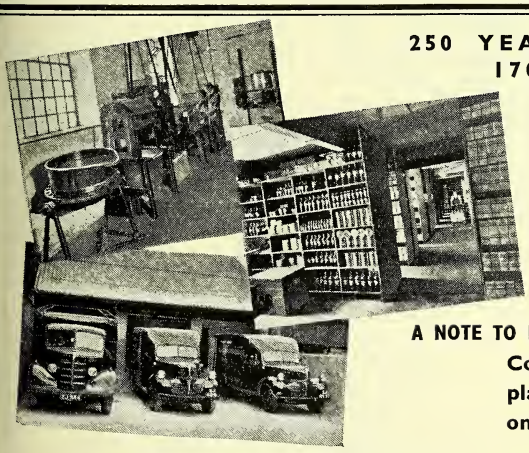

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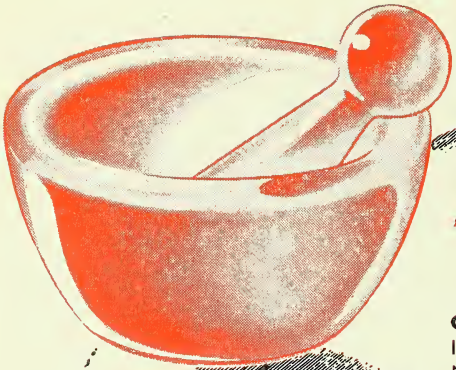

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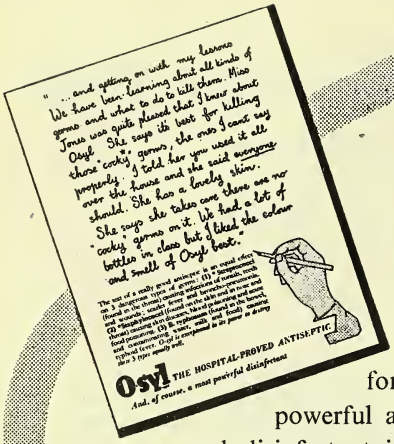

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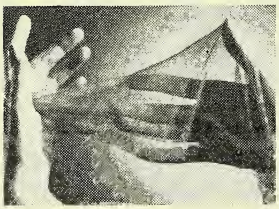

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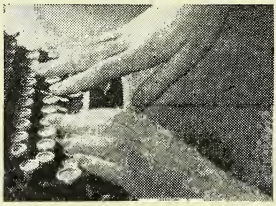

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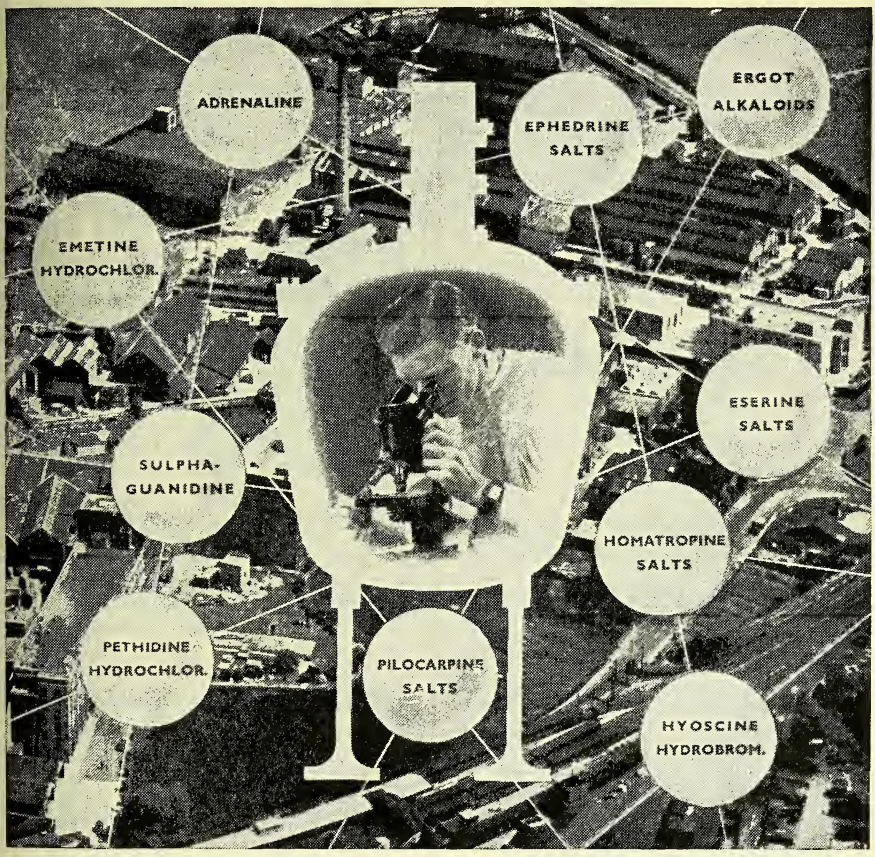

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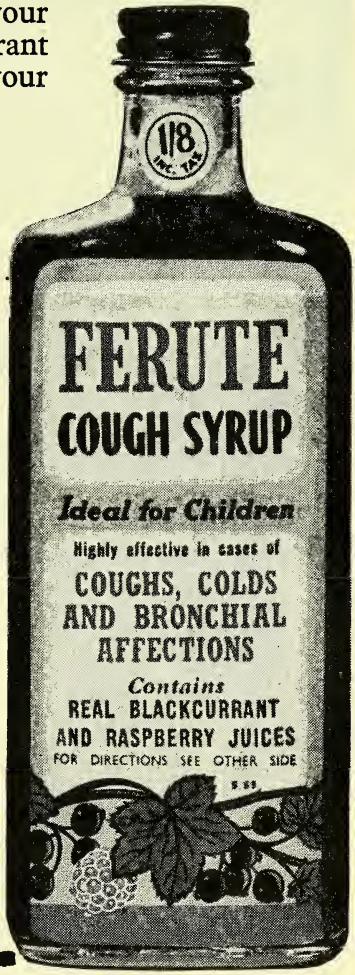

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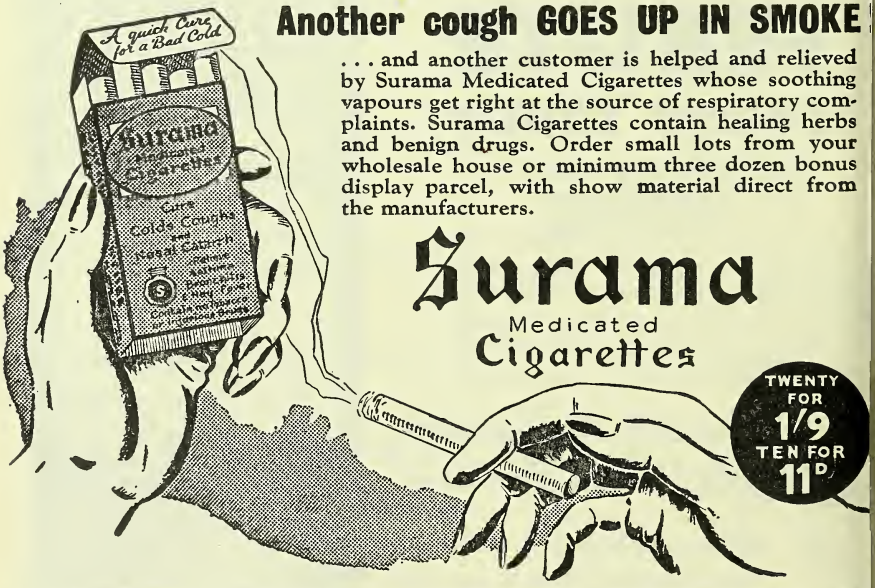
Obtainable from your usual wholesaler or direct from the manufacturers :-

STEWART, GOODALL & DUNLOP LTD. 121a PRINCES STREET, EDINBURGH

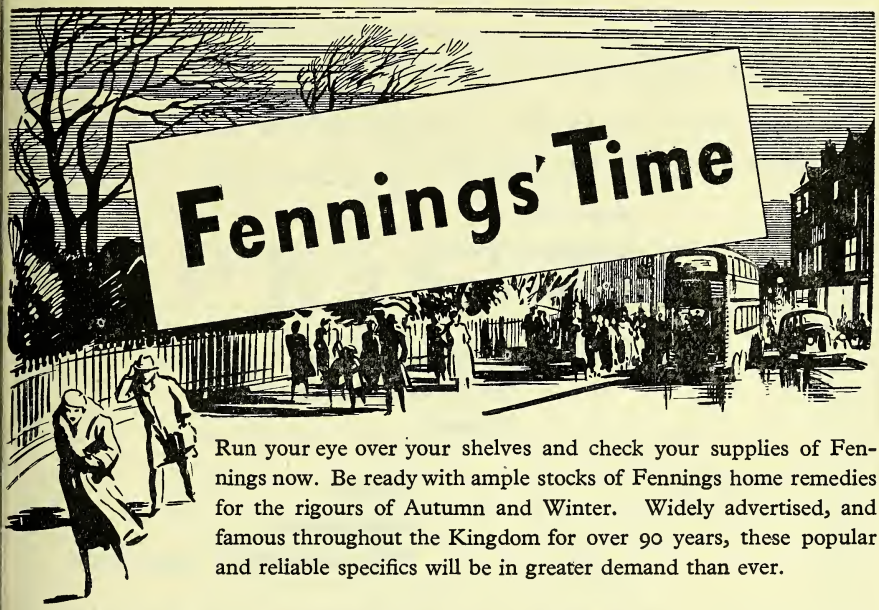


Another cough GOES UP IN SMOKE!

. . . and another customer is helped and relieved by Surama Medicated Cigarettes whose soothing vapours get right at the source of respiratory complaints. Surama Cigarettes contain healing herbs and benign drugs. Order small lots from your wholesale house or minimum three dozen bonus display parcel, with show material direct from the manufacturers.

Surama
Medicated
Cigarettes

The Oatine Company (Opera Omnia Ltd. Proprietors) 44 Kennington Lane, London, S.E.1



Run your eye over your shelves and check your supplies of Fennings now. Be ready with ample stocks of Fennings home remedies for the rigours of Autumn and Winter. Widely advertised, and famous throughout the Kingdom for over 90 years, these popular and reliable specifics will be in greater demand than ever.

It's time to order . . .

FENNINGS FEVER MIXTURE

To combat 'Flu.
Retails at 1/6 per bottle.

FENNINGS LITTLE HEALERS

For Coughs, Colds, Bronchitis, etc.
Retail at 1/6 and 3/6. Also 7/- per Carton of 12 packets, retailing at 7d. each.

FENNINGS WHOOPING COUGH MIXTURE

Retail price, 1/6 per bottle.

FENNINGS RHEUMATIC TABLETS

Retail price 2/6 for carton of 45 tablets.

Fennings'

HOME REMEDIES

ALFRED FENNINGS, HORSHAM, SUSSEX

NERVOUS SEDATION has proved to be a useful aid in a great variety of conditions such as :

Hay-fever
Vasomotor rhinitis
Bronchial asthma

Pruritus
Urticaria
Eczema

Anxiety
Restlessness
Post-concussional disturbances

In these conditions the use of Calcibronat brings about the desired sedative effect and restores nervous equilibrium.

CALCIBRONAT

is calcium bromido-lactobionate; it combines the sedative effect of calcium and bromine with increased potency of both components. In addition, it is devoid of the side-effects inherent in the usual forms of bromide, the calcium component exerting a protective action.

Sweetened granules * Effervescent tablets * Ampoules

Literature and samples available on request

SANDOZ

SANDOZ PRODUCTS LIMITED

134, Wigmore Street, London, W.1

PERIPHERAL VASODILATOR

PRISCOL

Acts through the autonomic nervous system to produce dilatation of small blood vessels.

Clinically effective in Raynaud's disease and other peripheral vascular disorders associated with vasospasm, such as Erythrocyanosis. Thrombo-angiitis obliterans and arteriosclerotic disease of the peripheral vessels.

Also of value in determining the effect of proposed sympathectomy.

The following forms are now available

TABLETS

40 - 4/6 200 - 20/3 1,000 - 90/-

AMPOULES

0.025 g.,* 6 - 14/6

For local application :—

OINTMENT

20 g. - 5/9

SOLUTION

10 c.cm. - 7/6

(*Retail discount* $33\frac{1}{3}\%$.)

Full detailed literature with references is available on request

* *New strength to facilitate the administration of larger doses*

CIBA

(*'Priscol' is a registered Trade Mark denoting 2-benzyl-imidazoline hydrochloride)*

Reg. user

CIBA LABORATORIES LIMITED

HORSHAM · SUSSEX

Telephone : Horsham 1234 Telegrams : Cibalabs, Horsham.

6/50

PARKINSONS PILLS PUT ME RIGHT!

. . . and fast selling Parkinsons Pills can help put **you** right too! Retailing at 3½d. 7d. and 1/2 a bottle. These famous pills are backed by forceful nation-wide advertising.

CROAKY?

get yourself a bottle of

KILKOF

You get a bigger percentage of profit on Kilkof than on any other top-selling cough mixture today. A dozen bottles of Kilkof cost you 10/3d; you retail them at 1/6d. a bottle; while nationally advertised "Croaky" is building up more and more demand.

Famous names from a famous House

PARKINSONS

MANUFACTURING CHEMISTS · BURNLEY

NON-FREEZING *Medicinal* COD LIVER OIL B.P.

Producers & Refiners

C.T. BOWRING & CO. (FISH OILS) LTD.

Sales Office:
629/30 Tower Building, Liverpool 3

Oil Works & Refinery:
Grimsby.

D.C.L. VITAMIN B_1 YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1·4 mgm. of Riboflavin, and 8·0 mgm. Nicotinic Acid.
Each Tablet contains 100 I.U. (approx.) Vitamin B_1.
100 TABLETS 3s. 9d.
50 TABLETS 2s. 3d.
THE DISTILLERS CO., LTD.
EDINBURGH.

Now Available **SACKERS HYGIENI METAL COMB**

Will remove Nits, Verm from hair and sca

All Enquiries
SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W

DYANESE FADELESS DYES

2½d. STOCKING (except Black) 20/- gross
4d. CURTAIN & COLD WATER 32/- gross
(Including Black Stocking) Order Dyes and Shade Cards from our Agents
Gt. Britain: W.B.Cartwright Ltd., Rawdon, Leeds
N. Ireland: T. McMullan & Co., Ltd., 42 Victoria St., Belfast. *Eire:* May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6.

IMPORTANT ANNOUNCEMENT

Thomas Christy & Co. Ltd., have now moved their offices from Bear Lane, Farnham, Surrey, to North Lane, Aldershot, Hampshire, to which address all communications should be sent.

THOS. CHRISTY & CO. LTD

CACHETS

We are glad to announce that once again CACHETS, both wet and dry closing, are available in most sizes. We have recently been able to reduce prices and would be glad to send a new list to any Pharmacist on request

THOS. CHRISTY & CO. LTD

NORTH LANE — ALDERSHOT

ANNOUNCING
another elegant 'CPL' pharmaceutical
NASCENT-CALCIUM-ASPIRIN

Despite its clinical advantages, calcium aspirin was omitted from the 1948 Codex because of chemical instability. "CPL" have solved the stability problem and offer . . .

uniprin tablets

NASCENT—CALCIUM—ASPIRIN

★ STABLE ★ SOLUBLE ★ NEUTRALISED
★ QUICK-ACTING ★ NON-IRRITANT ★ PALATABLE

THE SUPERIOR ASPIRIN THERAPY . . . . . .

NOTE: "Uniprin" is also being extensively mailed and advertised to the medical profession throughout the United Kingdom.

PACKINGS: For dispensing only: 250, 500 and 1000 tablets (tax exempt).

You can confidently anticipate receiving SCRIPTS for "Uniprin" as the product complies with the relevant recommendations of the Cohen Report and is freely prescribable. Supplies are available from your usual wholesaler or direct from our sole distributors in the U.K.

MOORE MEDICINAL PRODUCTS LTD.

64, Gloucester Place, London, W.1. *Welbeck 5718/9*

1, Queen's Terrace, Aberdeen. *Aberdeen 27233*

CLINICAL CPL PRODUCTS LTD
RICHMOND SURREY

A PLAN TO BUILD YOUR SALES OF BLAKEY'S *Malted* OATMEAL

First of the Blakey's Malted Oatmeal Regional advertising and selling campaigns commenced in October, covering Lincolnshire, Leicestershire, Nottinghamshire and Rutland.
Systematically and thoroughly Blakey's intend to help their retailers, area by area, to increase the sales of Blakey's Malted Oatmeal.

● **LOCAL PRESS CAMPAIGN.** Free recipe book offer, also attention drawn to recipe competition.

● **FREE RECIPE BOOK.** Packed with practical information and recipes for the whole family.

● **RECIPE COMPETITION.** No entry fee. Closing date 13th December, Valuable Prizes.

● **FREE SAMPLE.** A free voucher for a full size ½-lb. packet will be given to mothers, to be presented to their local chemist or grocer. The retailer should return this voucher either direct or through the wholesaler to Blakey's Food Co., Ltd., and replacement will be made free of charge.

BLAKEY'S FOOD Co LTD

LINCOLN · ENGLAND

Telephone : 699 Telegrams : "Blakey's Lincoln"

'My Baby loves it'

A CRODA PRODUCT

SUPERFINE PRODUCTS

FOR THE PHARMACIST

"Polychol" (Water-Soluble) Wool Wax Alcohols
"Hartolan" (Oil-Soluble) Wool Wax Alcohols
"Polawax" Non-Ionic Emulsifying Wax
"White Swan" Lanolin Anhydrous
"Crill" Surface Acting Agents

"Isocreme" Absorption Base | "Cremba" Absorption Base
Glyceryl Monostearate | "Kathro" Cholesterol

CRODA LIMITED

Administrative Offices : **CRODA HOUSE · SNAITH · GOOLE · YORKS**
Telephone · **SNAITH 77** (three lines) ALSO AT LONDON · MANCHESTER · BRADFORD

Constant and Steady SUPPORT for your SALES

Behind fast-moving 'ASPRO' sales is the stimulus of a continuous advertising campaign through Press, poster and cinema. The public want to know what a product is—what it does—and advertising tells them. It is this which makes all the difference between the worthwhile line and the "once-in-a-while" line. **It is this which creates an ever-greater public demand for 'ASPRO'.** You get the benefit of this demand to the full by continuously displaying 'ASPRO' in window or on counter. It is a fact that

'ASPRO' DISPLAYS BRING IN NEW BUSINESS

MORE THAN 1,000 CHEMISTS ARE USING THE 'ASPRO' ELECTRIC CLOCK

This precision-made Smiths "Sectric" clock (as illustrated, size 13½" x 10") will be gladly supplied to you at cost price (£3) for use in your shop or window. It is a quality job, elegant and modern in appearance and an excellent timekeeper. We have had a host of approving comments from the 1,000 and more chemists who have already installed it.

NOTE:—These clocks are not suitable for use on D.C. mains, but in such cases we can supply an 8-day Smiths lever-movement clock at £3 15s. 0d.

Made by
P.A.T.A. ASPRO LIMITED, Slough, Bucks

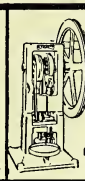
MANESTY

TABLET MAKING MACHINERY

MANESTY F3 TABLET MACHINE

OUTPUT 85 PER MIN.

OR TABLETS UP TO 3/4" DIAM.



MANESTY HAND TABLET MACHINE

OUTPUT 100 PER MIN.

FOR TABLETS UP TO 1/2" DIAM.

MANESTY E2 TABLET MACHINE

OUTPUT 85 PER MIN.

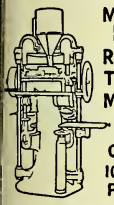
FOR TABLETS UP TO 1/2" DIAM.

MANESTY HAND COMPACT PRESS

OUTPUT 2000 COMPACTS PER DAY

MANESTY CP2 COATING PAN

STANDARD SIZE 30" DIAM.



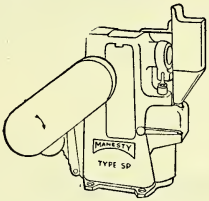
MANESTY B.B.3 ROTARY TABLET MACHINE

OUTPUT 1000-1500 PER MIN.

FOR TABLETS UP TO 1/2" DIAM.

MANESTY

SPI TABLET MACHINE



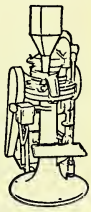
A NEW BENCH MODEL

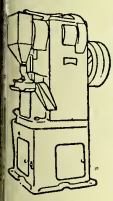
MAXIMUM TABLET DIAMETER 1/2"
MAXIMUM FILLING DEPTH 9/16"
OUTPUT 3,900 PER HOUR
HORSEPOWER 1/4
BENCH SPACE 1' 3" x 2' 5"

MANESTY B3 ROTARY TABLET MACHINE

OUTPUT 400-500 PER MIN.

FOR TABLETS UP TO 1/2" DIAM.





MANESTY Nº2A TABLET MACHINE

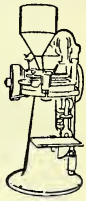
OUTPUT 55-220 PER MIN.

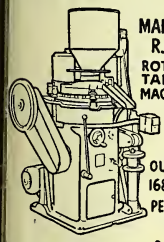
FOR TABLETS UP TO 1 1/2" DIAM.

MANESTY D3 ROTARY TABLET MACHINE

OUTPUT 300-350 PER MIN.

FOR TABLETS UP TO 1" DIAM.

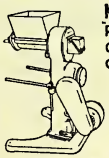




MANESTY R.S.1 ROTARY TABLET MACHINE

OUTPUT 168-336 PER MIN.

FOR TABLETS UP TO 1 3/8" DIAM.

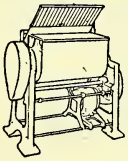


MANESTY ROTORGRAN OSCILLATING GRANULATOR

OUTPUT 150-224 LBS. PER HOUR.

MANESTY MIXER

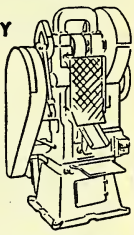
CAPACITY 100 LBS. OF POWDER



MANESTY Nº3 TABLET MACHINE

OUTPUT 30-400 PER MIN.

FOR TABLETS UP TO 2 1/4" DIAM.



MANESTY MACHINES LIMITED

5 SPEKE, LIVERPOOL, 19.

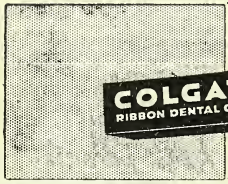
TELEPHONE: HUNTS CROSS 1972 TELEGRAMS: MANESTY, LIVERPOOL

COLGATE-PALMOLIVE-PEET LIMITED

IN MAINTAINING THEIR POLICY OF 'QUALITY FIRST' ARE OBLIGED, BY THE PRESSURE OF CONTINUOUSLY RISING COSTS, TO ANNOUNCE THE FOLLOWING

NEW RETAIL PRICES

EFFECTIVE FROM 1 DECEMBER 1950



COLGATE DENTAL CREAM

LARGE SIZE 1/6d. GIANT SIZE 2/3d.

COLGATE BRUSHLESS SHAVING CREAM

TUBES 2/- LARGE SIZE JARS 3/-

PALMOLIVE BRUSHLESS SHAVING CREAM

TUBES 2/- LARGE SIZE JARS 3/-

PALMOLIVE LATHER SHAVING CREAM

TUBES 2/- LARGE SIZE JARS 3/-

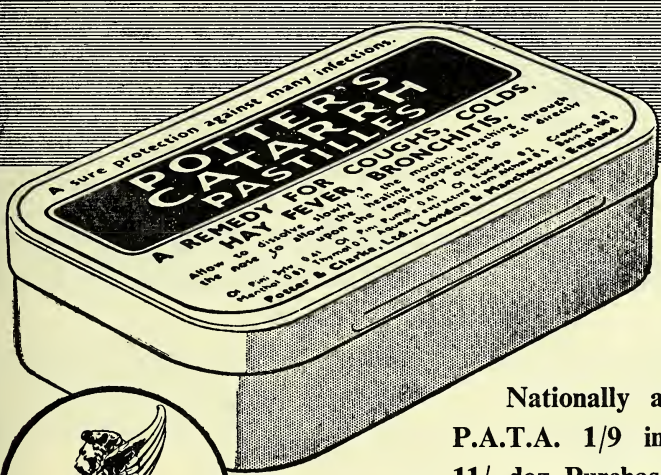
COLGATE SHAVING STICKS 1/3d.

★ The present percentage of profit applies to these new prices.

★ 1951 advertising will give the Retailer more and better support than ever.

COLGATE-PALMOLIVE-PEET LIMITED, LONDON, W.C.2

PASTILLES *with a* PROFIT...



Nationally advertised.
P.A.T.A. 1/9 including P.T.
11/- doz. Purchase Tax 3/8 doz.

BONUS TERMS FOR WINDOW DISPLAY

POTTER & CLARKE LTD

60-64 ARTILLERY LANE, LONDON, E.1
Phone: BISHOPSGATE 4761. Grams: Horehound, 'Phone, London.

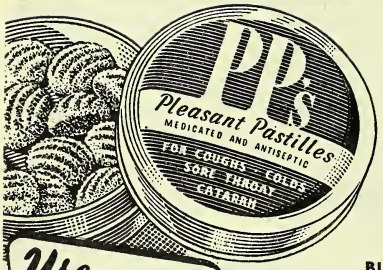
77 DANTZIC STREET, MANCHESTER, 4
Phone: BLACKFRIARS 8734. Grams: Horehound, Manchester.

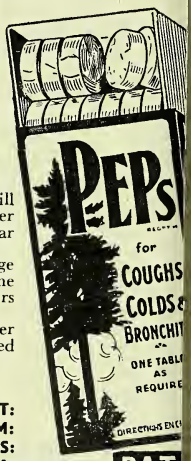
62 ORBISTON STREET, MOTHERWELL
Phone: MOTHERWELL 1413. Grams: Horehound, Motherwell.

Agent in Northern Ireland:—
HAROLD MITCHELL & CO. LTD., 321 GROSVENOR ROAD, BELFAST. Telephone: 24356

Order these Winter Profit-makers NOW

WHILE STOCKS ARE AVAILABLE





EXTENSIVE seasonal advertising will create a lively demand and counter display will sell these two popular products on sight.

Although threatened with shortage of certain ingredients, we are, at the moment prepared to execute orders for Peps and P.P's IN FULL.

Order your full estimated winter requirements now to meet increased sales.

Include in your order supplies of:

BILE BEANS: ZAM-BUK OINTMENT: ZAM-BUK Non-Greasy Medicinal CREAM: ZAMCONES: ZAM-BUK SUPPOSITORIES: GUY'S TONIC: KUTNOW'S SALINE: VEN-YUSA.

Use THE NEW ATTRACTIVE COUNTER DISPLAY OUTERS

P.A.T.

C. E. FULFORD LTD., CARLTON HILL, LEEDS. 2

Better **M&W** *Value*

CAPSULES OF HIGHEST QUALITY

- Cod Liver Oil
- Cod Liver Oil with Creosote
- Creosote
- Halibut Liver Oil
- Extract of Male Fern
- Vitamin A
- Vitamin A & D
- Wheat Germ Oil
- Vitamins, B.P.C.

Quality and reliability is maintained by the supervision of pharmacists at all stages.

Quotations on request. ***Supplies available from stock.***

Suppliers of a complete range of Pills, Tablets, Capsules, Lozenges and Suppositories

MATTHEWS & WILSON LTD.
EST. 1894
6-8 COLE ST., LONDON, S.E.1
TELEGRAMS: PILLEOLUM, SEDIST, LONDON · TELEPHONE: HOP 2147-8

A **WINNER**
FOR YOUR
WINTER
WINDOW!

Set a spur to winter sales by giving 'Kepler' a prominent display. Let the lively 'Kepler' showcard work for you as "silent salesman." Forceful advertisements for 'Kepler' are currently appearing in the "Radio Times" and other favourite family magazines *with a readership of over 30 million.* By linking up with this publicity campaign you can be sure of securing a satisfactory share of the profitable 'Kepler' market.

'KEPLER'
BRAND

COD LIVER OIL WITH MALT EXTRACT

BURROUGHS WELLCOME & CO. *(The Wellcome Foundation Ltd.)* LONDON

E

AIDS TO MODERN TREATMENT

E.S.T.P (Martindale)

The original colourless Coal Tar Cream with all the therapeutic advantages of crude coal tar. An invaluable anti-pruritic in all forms of eczema, pruritus, psoriasis, occupational dermatitis, etc.

DICODID

For use in the symptomatic treatment of cough. A selective antitussive with a cough-depressant action more prompt and more prolonged than that of codeine. Well tolerated and non-constipating.

ASPRIODINE

A definite chemical compound embodying the anti-arthritic and anti-rheumatic properties of Aspirin combined with the stimulating and corrective effect of Iodine. Prompt in action and well tolerated.

NEO-OCTON

A new synthetic antispasmodic for the relief of smooth muscle spasm. Indicated in all cases of spasm of the gastro-intestinal and genito-urinary tracts. Prompt relief and well tolerated.

THEOSOL

A new combination in the treatment of obesity. Based on reasoned and scientific principles, it is designed to assist both physically and mentally in attaining a low-calorie diet without undue effort.

NEODRENAL

In the treatment of bronchial asthma. The new, rapid and potent bronchodilator. Often effective when other drugs have failed. Available in the form of sublingual tablets and an "oral" spray solution.

SAVORY & MOORE
LAWRENCE RD. TOTTENHAM N15

'Phone: STAmford Hill 3456
'Grams: "Nusalin, Southtot," London

Trade Mark

SHADFORTH
LIMITED

Proudly Present

THREE PROVED SELLERS IN NEW PACKS

WHITE LIONS
ANTACID TABLETS

BLUE LIONS
TONIC

SHADFORTERS
DIURETIC TABLETS

INCREASED TRADE DISCOUNT

These new packs carry 33⅓% discount backed by **National Press Advertising** to send you new customers. The repackaging of these products will ensure a bright display in your window and on your counter, attracting more sales.

SHADFORTH LTD.
Manufacturing Chemists
49, KING WILLIAM STREET, LONDON, E.C.4

amongst the wide range of pharmaceuticals produced by Bayer there are four that require special attention; they are:–

'Novalgin' A powerful analgesic, of particular value in muscular rheumatism, sciatica and severe neuralgia.
Tablets, grn. 5—Bottles of 25, 100, 250, 1000.

'Franol' Combination of antispasmodics for relief of bronchial asthma, and suppression of nocturnal attacks.
Tablets—Tubes of 20 Bottles of 100, 250, 500, 1000.

'Padutin' Vasomotor hormone for peripheral circulatory dysfunction, e.g., intermittent claudication, chilblains.
Oral solution—Bottles of 10 ml, 50 ml. Ampoules—Box of 5 x 1 ml.

'Neo-Selarom' Salt-like condiment, containing no sodium, for salt-restricted diets in œdema, hypertension, obesity.
Containers—12-oz, 8-oz. 2lb.

BAYER PRODUCTS LTD AFRICA HOUSE KINGSWAY WC2

May we quote you for—

GLAUBER SALTS B.P.

Pea Crystal and Feathery

EPSOM SALTS B.P.

Needle Crystals, Medium, Exsiccated

All grades conform to the 1948 B.P. Standard

Special Crystals matched and any degree of exsiccation to order. Packed for Home and Export.

HARRIS, HART & Co. Ltd.

GREGGE STREET WORKS
HEYWOOD, LANCS.

Telegrams:
Harp, Heywood, Lancs.

Telephone:
Heywood 6570

GALE'S NUTRITIOUS TONIC

MORELIX

(Regd.)

ESPECIALLY SUITABLE FOR CHILDREN AND DURING CONVALESCENCE

Contains Liquid Malt,
Vitamins A & D, Hypophosphites
and Virginian Prune.

DREADNOUGHT BRAND

GALE, BAISS & CO. LTD.,
274/276, ILDERTON ROAD, S.E.15

SELL THEMSELVES . . .

Sell the hairpins that sell sight! WIMBERDAR Hairpi are their own salesmen thanks to their attractive ne outer cartons, specially c signed for effective count display. In boxes and roll heavy-gauge and invisible.

PRODUCTS
Wimberdar
OF QUALITY

For full details and terms write to your usual wholesaler or to:

CRITCHLEY BROS. LTD., BRIMSCOMBE, STROUD, GLO
Telephone : BRIMSCOMBE 2208/9

SALES are CERTAIN!

—SO KEEP UP YOUR STOCKS OF SHERLEY'S LACTOL

The public have been told that dealers hold **limited** supplies of LACTOL. We shall do our best to meet all enquiries from the Trade—but ask you to take a forward view, as far as possible, respecting your requirements. Where there are stocks, sales are certain—so keep up your stocks.

SHERLEY'S LACTOL

is in two sizes

retailing at 3/6 *and* 12/6

Please write to:

A. F. SHERLEY & CO. LTD., 16-18 MARSHALSEA ROAD, LONDON, S.E.1.

ST. 22

SMOOTH SELLING

'Sleek' TRADE MARK

PLASTIC ADHESIVE STRAPPING

AN HPL PRODUCT

- WATERPROOF
- SMOOTH & PLIABLE
- STAYS CLEAN
- OIL RESISTING
- NON FRAYING

FLESH COLOUR ONLY

1" x 2½yd. SPOOLS
RETAIL PRICE 1/3

1" x 5 yd. SPOOLS
RETAIL PRICE 2/-

2" x 5 yd. SPOOLS
RETAIL PRICE 3/6

HERTS PHARMACEUTICALS LIMITED · WELWYN GARDEN CITY · HERTS

H&S

PHARMACEUTICAL CHEMICALS
ALKALOIDS · DRUGS · OILS

★

Manufacturers of

BENZOCAIN
BENZONAPHTHOL
p-AMINO BENZOIC ACID
p-NITRO BENZOIC ACID
THEOPHYLLINE and SALTS

HUFFER & SMITH LTD
WHOLESALE & MANUFACTURING CHEMISTS
CROYDON, ENGLAND

Telephone: THORNTON HEATH 4266-7
Telegrams:
HAHU, CROYDON SANTONINIC CROYDON

Well-known Firm of Toilet Roll and Inter - leaved Packet Manufacturers (Factory LONDON), with modern plant, will accept orders from established firms, at very keen prices for 6-oz., 7-oz., and 8-oz. Medicated Toilet Rolls. Toilet Rolls can be banded with highly glazed bands (No Extra charge) — 2/3. Colours to customers' own design. Any wording desired can be printed on each sheet.

LIPTONS PAPER MILLS LTD
Devonshire Works, Dukes Av., Chiswick, W.4
Chiswick 3600 (8 lines) Est'd. since 1898

RENTOKIL
TIMBER FLUID
FOR
WOODWORM
NATIONALLY ADVERTISED

Woodworms are more active than ever so please hold adequate stocks of RENTOKIL TIMBER FLUID, the tried and proved woodworm destroyer, to meet the increasing demand.

GENEROUS TRADE TERMS

RENTOKIL LTD.
(Dept. C.D.), Fetcham,
Leatherhead, Surrey
Tel.: Leatherhead 4021/2

Packed in attractive Display Cartons — each carton containing 8 oz. bottle of Rentokil Timber Fluid and Injector for forcing the fluid into the worm holes.

REGISTERED TRADE MARK
SAMCO
BRITISH PATENT

SAMCO Atomisers and Sprays differ from types in general use in that each model is a Scientific instrument specially designed to handle all types of spraying compounds without the necessity to adjust the nozzle of the instrument in any way.

Each instrument is manufactured and assembled to mathematically exact limits thereby assuring uniform performance.

Materials of the finest quality only are used and all components in direct contact with fluids are made of pure nickel, which is impervious to every known substance used in medical prescriptions.

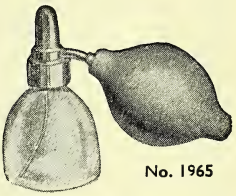
All components are heavily chromium plated.

All SAMCO models are *pressure* operated, thus ensuring complete atomisation.

N.H.S. Patterns

Entirely British Made

No. 1959



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Supplies available from your usual wholesaler . . .

ACTUAL MANUFACTURERS

Phone: EUSton 1757 & 5514

S. MURRAY & Co. Ltd.

45 ST. PANCRAS WAY . . . . LONDON N.W.1

Security

INDUSTRIA cellulose, self-adhesive tape moulds itself to the shape of your pack. Here chemicals are protected for export against air, damp and pilfering.

Can we send you a sample to try on your product?

INDUSTRIAL TAPES LIMITED

SPEEDFIX HOUSE,
Dukes Road, Euston Road,
LONDON, W.C.1
Euston 3718

STANDARD SYNTHETICS LIMITED

Actual distillers of Essential Oils

Manufacturers of Aromatics, Perfume Bases and Flavours.

We specialise in Cinnamon Bark Oil, Juniper Berry Oil, Wintergreen Oil, Eucalyptol, French Lavender Oil, Terpeneless Lemon Oil, Rose Perfumes, etc.

76 Glentham Rd., Barnes
London - - S.W.13
Telephone:-Riverside 3616

The Cleanser for every need

LINAPOL

This universal liquid cleanser is now available for household use. Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.

HYDROGEN PEROXIDE

10 and 20 volumes in bottles. A wide range of packs and labels available.

Genoxide LIMITED LUTON

Eade's PILLS

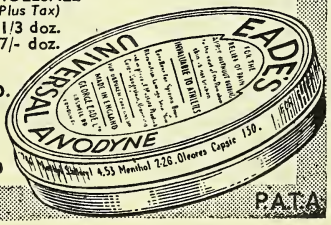
Eade's Rheumatic and Gout Pills, the remedy with a 100 year old fame.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.
6/3	46/- doz.

Eade's UNIVERSAL ANODYNE

Another Eade's product always in demand.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.



EADE'S PILLS LTD.
(Dept. C. & D),
232 Goswell Rd.,
LONDON, E.C.1.
Clerkenwell 3370

for supplies of

Anisic Aldehyde
Benzoyl Aniline
Caproic Acid
Cyclohexanol
Cyclohexanone
Montan Wax
Triethanolamine

apply to Box 308,
c/o E. BARKER & Co.
4 Carmelite Street, London, E.C.4

ANNOUNCING

THE NEW 8oz. PACK

DENTO

Retail Selling Price 2/2d.

Generous Trade Terms and Discounts

AVAILABLE NOW

F. C. CALVERT & CO., LTD.

GIBBON ST., ASHTON NEW RD., BIRMINGHAM, 11

Telephone: EAST 1421

FAMOUS FOR TOOTH POWDER THROUGHOUT THE WORLD

REGD. **Reliance** TRADE MARK

THE WORLDS FINEST AND MOST ATTRACTIVE MOULDED SEAMLESS HOT WATER BOTTLES

BEING THE "ORIGINATORS" OF THIS LINE IN GREAT BRITAIN AND THE LARGEST PRODUCERS IN THE WORLD WE CAN OFFER YOU A REALLY BEAUTIFUL RANGE—EACH PACKED IN CELLOPHANE BAGS

BRIGHT COLOURS—SUPERB FINISH

Place your order for the coming season NOW to ensure supplies. Over 40 models produced.

Phone or write for samples and prices

RELIANCE RUBBER CO. LTD

LOTS ROAD · LONDON · S.W.10

ESTABLISHED 1889

Phone: Flaxman 6200 and 0985/6. Grams: 'Doorstop' Fulroad, London

DIRTY WORK TO BE DONE?

THE BEST BARRIER PREPARATION

ROZALEX

IT STOPS DIRT FROM GETTING INTO YOUR SKIN

ALSO ROZALEX OINTMENT

Rozalex Ltd., 10 Norfolk Street, Manchester 2

CRUDE DRUGS

ESSENTIAL

GUMS OILS WAXES

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS

DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.1

NOW EXEMPT from PURCHASE TAX..

PASTILLES OF GEE'S LINCTUS B.P.C.

PACKED IN 2oz PRINTED TINS

2 Pastilles are approximately equivalent to one teaspoonful of GEE'S LINCTUS B.P.C.

Obtainable from your usual wholesaler or direct, carriage paid, From

COST 9/- PER DOZ NO TAX

RODMILL CHEMICAL CO LTD · LIVERPOOL. 3

Dyequick IS HERE!

Tie up today with this big seller of tomorrow.

Dyequick MEANS BUSINESS

— the NEW home dye with a brilliant future

Write for full-colour illustrated folder to:
DYEQUICK PRODUCTS LTD., 122 Newgate Street, London, E.C.1
or your usual Wholesaler

RESENTING TWO LEADING LINES OF THE POPULAR 'ACME' RANGE

'STANDARD' MODEL

Supplied in Assorted Colours

Superbly finished and always reliable

Retail **4/11**

IDEAL FOR XMAS TRADE!

JUG SET Retail **13/6**

JUG only Retail **10/11**

ACME VACUUM FLASK Co
PHOENIX WORKS, BRIDGEND, GLAM.

IF YOU HAVE RATS GIVE THEM A BISCUIT-

...but make sure it's a VEXTERM RAT BISCUIT, not harmful to pets, human beings or farmyard stock, when used as directed, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6&5/9

VEXTERM
READY-BAITED
RAT BISCUITS
Agriculture and Fisheries Licence No. 10184
Manufactured by
BRITISH RODENT EXTERMINATOR CO. LTD.
PRATTS BOTTOM · FARNBOROUGH · KENT
Phone: FARNBOROUGH 849

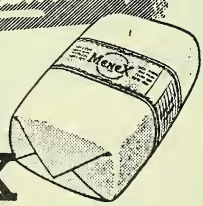
FOR DESTROYING RATS and MIC
HALLER'S EXTRACT OF SQUIL
is always in demand as it is a standar
product, controlled by Bio-assay test

For the destruction of
Beetles, Cockroaches, Crickets, etc.,
USE
"DANZO BEETLE POWDER"

"CADOG"
Parasiticide and Insecticide in liquid form
destroys all kinds of noxious Insects:—
Bugs, Lice, Fleas, Moths, etc.

Address all enquiries for preparations for t
destruction of Domestic Pests to:—
HALLER LABORATORIES, LIMITE
325, BOROUGH HIGH STREET, LONDON, S.E

Announcement!

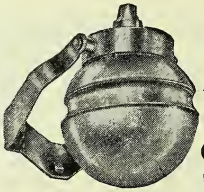


In future
all three sizes of
MENEX
SOLUBLE TOWELS

(XO, Standard, & X1) will be supplied with Pink Moisture-proof Back, and tied loops. They are made from the finest materials, of unsurpassed quality. Easily disposable, secure and comfortable.

A PRODUCT OF
ROBINSON & SONS LIMITED,
OF CHESTERFIELD & LONDON

For fifty years
Makers of the famous MENE towel



Sells on sight

THE
SAVON
LIQUID SOAP DISPENSER

DISPLAY THE "SAVON" IN YOUR WINDOW

RETAIL PRICE
13/5
(including tax)
Subject to Full Trade Discount.

IMMEDIATE DELIVERY

The "Savon" has bee
designed to meet the wi
demands for high class y
inexpensive liquid so
dispensers. Strong glass bo
shaped for easy tipping, no
tarnishable metal fittings a
a construction that wit
stands the wear and tear
daily use.

FOR FULL DETAILS WRITE TO:—
THE HORTON MANUFACTURING CO., LTD.
MAKERS OF 'HOMACOL' LIQUID TOILET SOA
RICKMANSWORTH, HERTS
Tel.: Rickmansworth 3191
'Grams: 'Liquisopa' Rickmansworth

RADIO TIMES

The Nation's Shop Window

The way to brighter smiles

– for over 8,000,000 families – is through YOU

If you know of a better toothpaste than
GORDON MOORE'S
Satin
DENTAL CREAM
we should be glad to hear of it.

SATIN is now available in a choice of four flavours:
Rose-Peppermint
Crème-de-Menthe
Spearmint
Peppermint
Price 1/5½d.

GORDON - MOORE
London, W.14.

Appearing in the RADIO TIMES — the Nation's Shop Window—this Satin Dental Cream advertisement goes into over 8,000,000 homes in the country . . . is seen every day of the week by *all* the family. As they check the radio programmes they see the advertising — they notice this Gordon-Moore announcement. And there's no doubt of the confidence the public have in goods advertised in the RADIO TIMES.

When they come to you for their tubes of *Satin Dental Cream* don't disappoint them. Make sure your supplies are adequate by ordering NOW!

Stock and display the goods advertised in the

RADIO TIMES

Member of the Audit Bureau of Circulations.

Advertisement Department, B.B.C. Publications, Broadcasting House, Portland Place, London, W.1

COMPRESSED MEDICINAL AND OTHER **TABLETS**

made to any Shape or Size up to 1½″ and supplied packed or in bulk

ALSO

CONTRACEPTIVE FOAM **TABLETS**

in the production of which we have extensive and specialised experience

★ **Private Formulae Compounded by Experts** ★

ENQUIRIES INVITED

★

BUCKLEY-BOWKER TABLET CO. LTD.

29 PARKFIELD STREET, LONDON, N.1

Telephone: CANonbury 3401

ESTABLISHED OVER A QUARTER OF A CENTURY

"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

SURGICAL BELTS

TRUSSES AND SUNDRIES

Over 50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm

"When I sell a bottle of . . .

MIRACLE MIXTURE

I make a friend"

Thus writes a Chemist who has a big Trade with Dog Owners

There is no medicine in this Country which has saved the lives of so many poorly dogs. There is no more elegant preparation. None which gives such certain and speedy relief and none which shows you a better return for your sales in good wishes and financial benefit.

Get in touch now with :—

THE HATCHWELL CO. LTD

BYRON STREET, PRESTON, LANCS

Telephone: Preston 5118

what a lot of *SUPER SPONGINESS!*

Sponges for toilet. Sponges for the house. Sponges that lap up water like a desert. Soft, silky, even-textured. Hard-wearing and hygienic. In happy colours. E.R.C. know all the secrets of making super sponginess in long-lasting sponge rubber. Show "Zote" and "Zulu" sponges—they will sell fast!

ZOTE and ZULU *Sponges*

Expanded Rubber Company Limited

ERC
SUBSIDIARY OF
THE BRITISH XYLONITE COMPANY LTD

675 Mitcham Road : Croydon

'PHONE: THORNTON HEATH 3622 WORKS: CROYDON & DUNDEE

T.A. 3042

'WITCH' Hair Pins

NATIONALLY ADVERTISED
They're in demand Everywhere!

More women than ever buy Witch Hair Pins because they really do "stay put."

Supplied in Black, Blonde, Brown and Grey.

Made by THE WHITECROFT PIN MANUFACTURING CO., LTD.
Whitecroft - - - - - - Gloucestershire

time you ordered more **SOFTEX**

—to meet the big demand

Softex is available in cartons containing 72 standard size rolls, or 72 cardboard packets holding approximately 250 interleaved sheets. Retail price—Rolls 1/5d., Interleaved Packets 1/-, Super-Softex 1/9d.

SWAN MILL PAPER CO. LTD.
92 REGENT STREET, LONDON, W.1
Tel: REGent 0422
Britain's Trusted Brand

BRANNAN
GUARANTEED
THERMOMETERS

CLINICAL - HOUSEHOLD - INDUSTRIAL

When ordering Thermometers, insist upon Brannans—made by highly skilled workers at Britain's most modern Thermometer Factory.

S. BRANNAN & SONS LTD.
46 London Road, Forest Hill, S.E.23.
Tele: Forest Hill 3414-5
Works:
Cleator Moor
West Cumberland

FOR HOME & EXPORT

★ Fine Chemicals

★ Pharmaceuticals

★ Drugs

★ Essential Oils

HARDY

★ We can supply these and many other drugs advantageously.

M·W·HARDY & CO. LTD

PINNERS HALL · GT WINCHESTER ST · LONDON · E.C.2

TELEPHONE: LONDON WALL 7131

C&C

PLANNED PARENTHOOD

GYNOMIN

The scientifically balanced antiseptic and deodorant contraceptive

- 1. Spermicidally efficient and clean in application.
- 2. Non-irritant and harmless to health.
- 3. Does not upset the vaginal pH value.
- 4. Free from fatty substances.
- 5. Keeps perfectly in tropical climates.
- 6. Prescribed extensively by the Medical Profession.

REGULAR MEDICAL PROPAGANDA · LIBERAL DISCOUNTS TO THE TRADE · LITERATURE AND SHOWCARDS UPON REQUEST

Order from your wholesaler. *Write for Special Terms.*

RETAILS AT **3/6** PER TUBE OF TWELVE TABLETS

COATES & COOPER LTD

PYRAMID WORKS, WEST DRAYTON, MIDDX.

Our publicity will bring new customers to your pharmacy

FOR CORNS

Feet Plaisters & Powders. This popular remedy gains new sales successes weekly. Wide-spread advertising assures constant demand. Have you got stocks? Retail prices:- Plaisters 2½d. Powders 1½d. Comb. Pack 9d.

HOBSON TRIMBLE & CO., LTD.
UNION HOUSE, LEEDS, 2

SASSO

OLIVE OIL

Enquiries welcomed from distributing agents

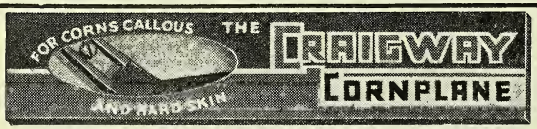
GUY, LEONARD & CO. LTD.
6a Maddox St., London, W.1
Tele.: MAYfair 1484/5

PRE-PACKING & LABELLING
(We can now accept fresh orders)

LIQUIDS: From Bulk into any size bottle from ½ oz.

POWDERS & TABLETS: Mixed and packed to customers Specifications.

J. H. WISEMAN & CO. LTD.
100 Blackstock Rd., Finsbury Pk., N.4 *Canonbury 5877*



The remarkable success of the "Craig way" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

Individually packed in cartons

DISPLAY CARD OF 18

RETAIL **2/3** *PRICE*

15/4 per doz. plus Purchase Tax
Usual discount to Wholesalers

Sole Distributors:

CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Surrey
Phone: Wallington 3694

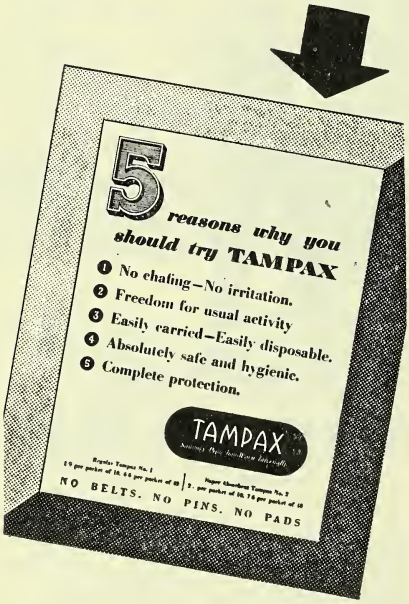
POSTER ADVERTISING GIVES A NAME FAME!

- When your product is advertised by Posters it is on the way to becoming a *household word.*
- Poster publicity, persistent, colourful and easy to read, is seen and heeded by everybody.
- Posters attract the attention of those who "never read advertisements".
- Every national advertising campaign needs to be supported by Posters.

THE POSTER PULLS - *YOU CAN'T GET AWAY FROM IT!*

Issued by The British Poster Advertising Association and London Poster Advertising Association

Have you sent for YOUR TAMPAX showcard?



Hard-selling, but discreet, this informative Tampax Counter Showcard will quickly increase your Tampax sales and profits. Write to:

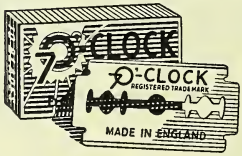
TAMPAX LIMITED

SALES OFFICE

110 JERMYN STREET, LONDON, S.W.1

7 O'CLOCK advertising gets its messag over in an entirely individual wa It's memorable—it packs a punch- and it's right in the public eye in th national press. And once a man ha bought a packet of 7 O'CLOCK blad you can be sure the grand shaves h gets will bring him back for mor

7 o'clock BLADES

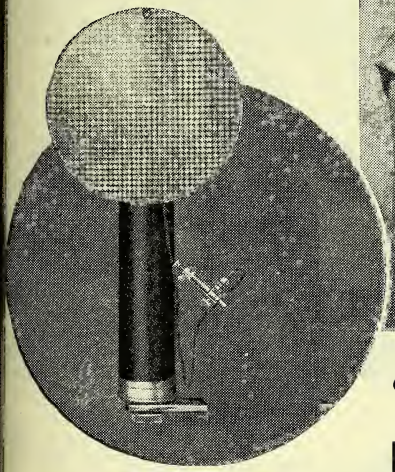


1/6d FOR TEN
9d for 5

Actually **COST LESS** *than* **PRE-WAR**

Trade enquiries to your usual wholesaler or direct Gillette Industries Ltd., Great West Road, Isleworth Middlesex.

The 'life and soul' of your Xmas sales



PRICE

£6·19·9

(without batteries)

Open Flash Model comprising battery case, reflector and bulb ejector.
£2 · 0 · 0

'NEBRO' SYNCHRO FLASH GUN

Here's a line with an immediate sales appeal to camera enthusiasts, especially round about Christmas. The Nebro Synchro Flash Gun will operate with any between-lens shutter (Compur type) which has cable release socket, and may also be used for open flash work. It is designed for lightness and simplicity, works off two U.2 batteries, has diffusing guard on reflector, quick action bulb ejector, and is supplied with A.S.C.C. to M.E.S. adaptor for current testing.

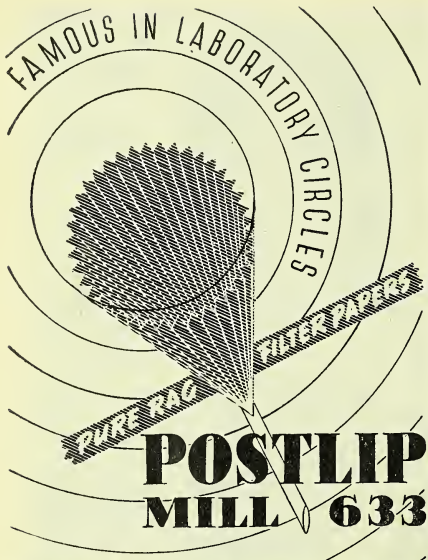
NEBRO

NEVILLE BROWN & CO. LTD.

Distributors to the Photographic Trade

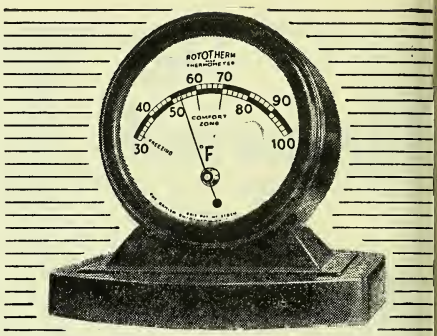
77 NEWMAN STREET · LONDON · W1 Telephone: LANgham 7161 (6 lines)

Also available through these Provincial Wholesalers: SOUTHALL BROS. & BARCLAY (1935) LTD. BIRMINGHAM BROOKS, PARKER & CO. LTD., BRADFORD. JAMES WOOLLEY SONS & CO. LTD., MANCHESTER.



POSTLIP
MILL 633

EVANS, ADLARD & Co LTD · WINCHCOMBE · Glos.



THE 'MERTON' THERMOMETER

A sure seller at all times, this model forms the ideal and practical gift for desk or table use. Available in attractive Plastic case and choice of colours, also in hand-painted designs.

The world's best thermometer
Price 15/- Retail

Rototherm
DIAL THERMOMETERS

THE BRITISH ROTOTHERM COMPANY LIMITED
Merton Abbey, London, S.W.19. Tele: LIBerty 3406

For your Gift Department there is *PROFIT* from

Christmas Dressings

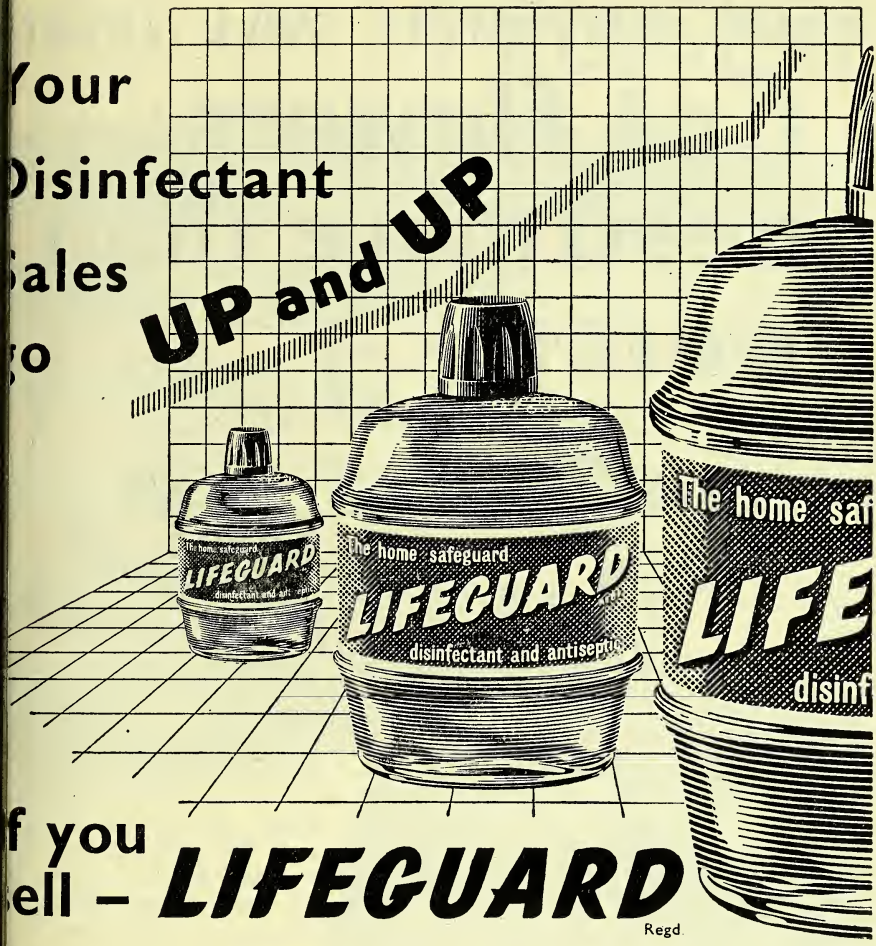
TAPES
TAGS
SEALS
LABELS AND
FANCY PAPERS

BY

INDIVIDUALLY PACKED OR ASSORTED, IN DISPLAY CARTONS AVAILABLE FROM YOUR WHOLESALER

P. P. PAYNE & SONS LTD.
HAYDN ROAD · NOTTINGHAM

Your Disinfectant Sales go UP and UP



If you sell – **LIFEGUARD** Regd

Quite one of the biggest advertisers in the disinfectant field is LIFEGUARD. All the year round, LIFEGUARD leads in forceful, sales-making advertising. LIFEGUARD is a great winter seller with 101 new winter uses.

LIFEGUARD PRODUCTS LIMITED · LIFEGUARD HOUSE · E.C.4

YOUR CUSTOMERS WILL LEARN

Cut flowers need more than water

they need

MINOR

Nutrigen

THE WONDER TABLET

From informative advertisements placed in the national, women's and gardening press, millions of customers will eagerly learn of the flower-preserving properties of NUTRIGEN tablets. NUTRIGEN tablets added to water form a solution containing all the nutrients necessary to preserve the freshness and vitality of cut flowers.

The demand for NUTRIGEN will be great and it will be sustained. Be ready to meet it!

Secure your Stock! ORDER NOW!

Write for trade terms and information about dealers' aids to

SIMMONDS-LOW HORTICULTURAL PRODUCTS LTD.

78-80 CHURCH ROAD, ACTON, LONDON, W.3

METAL CLOSURES

nit coloured sketches for your decorated closures

gn and make all the necessary tools and gauges

oratories will recommend the best liner for

oduct, we operate modern lithographic

shops and when the closures are finally

produced they are individually inspected.

"The complete co-operation and liaison between our Bottle and Cap Works ensure the perfection of the container and closure."

GB

TTLES AND OSURES

Perfect Pair

UNITED GLASS BOTTLE MANUFACTURERS LTD.

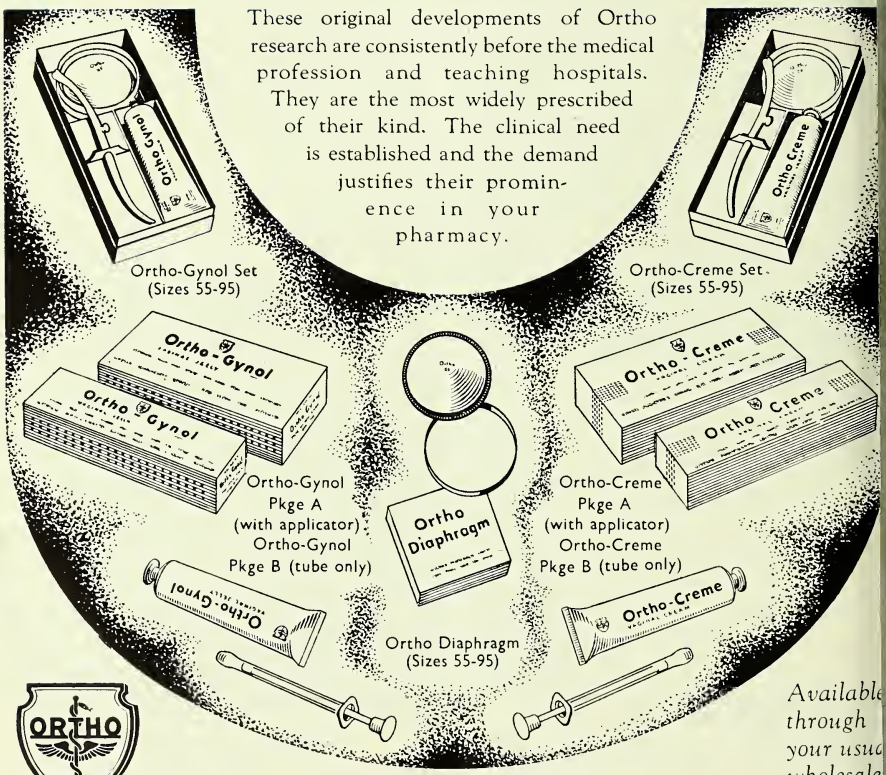
8 LEICESTER STREET, W.C.2

Tel: GERRARD 8611 (18 Lines) *Grams:* UNGLABOMAN, LESQUARE, LONDON

Ortho

the ethical name in contraceptives

These original developments of Ortho research are consistently before the medical profession and teaching hospitals. They are the most widely prescribed of their kind. The clinical need is established and the demand justifies their prominence in your pharmacy.



ORTHO

Available through your usual wholesaler

Ortho Pharmaceutical Limited

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Group "X" sells for 10d.
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Profit is twenty-five-per-cent.
or the same amount of work he receives
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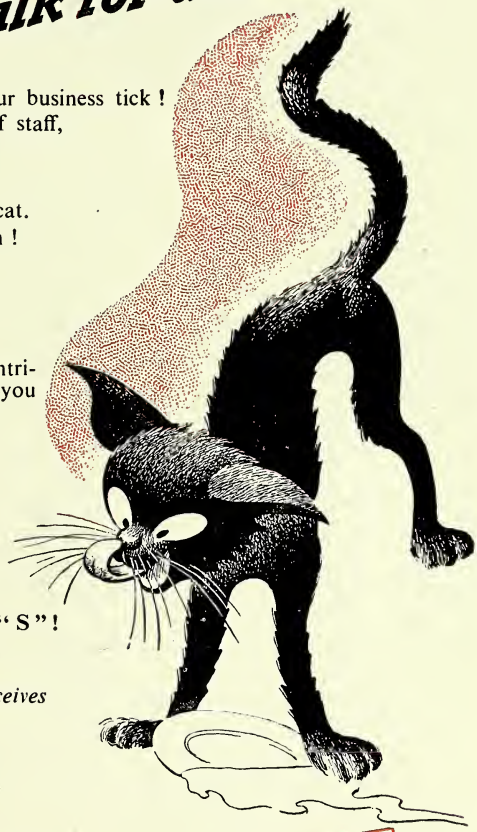

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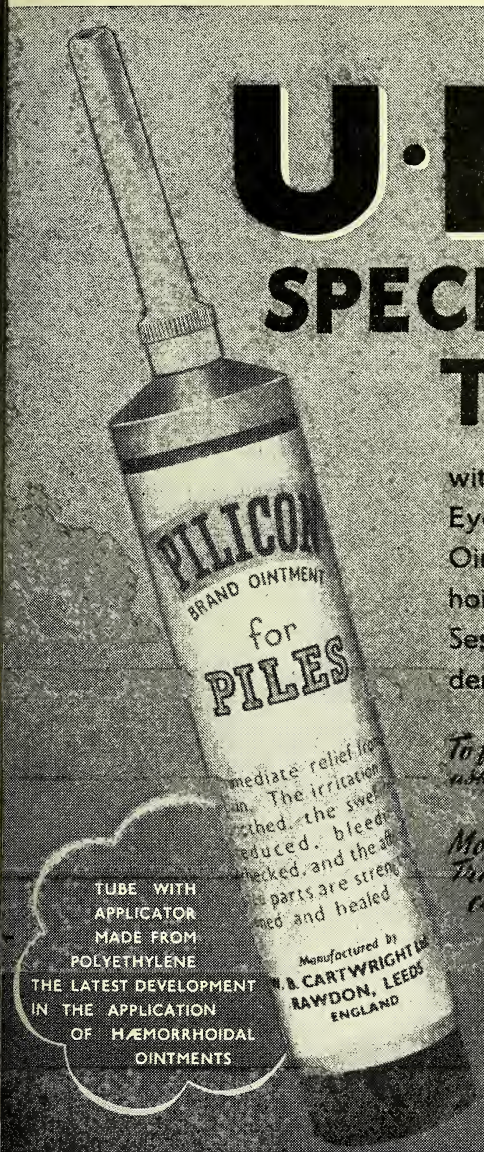

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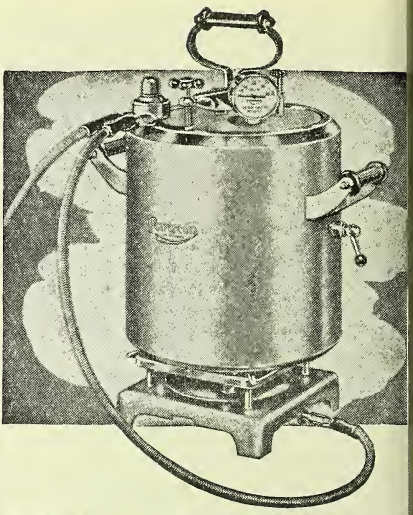

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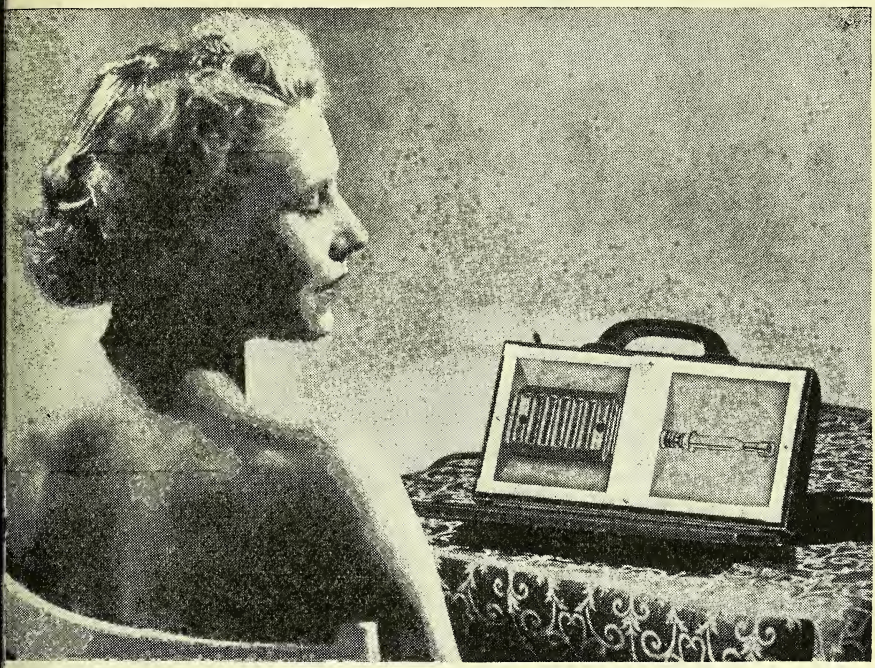

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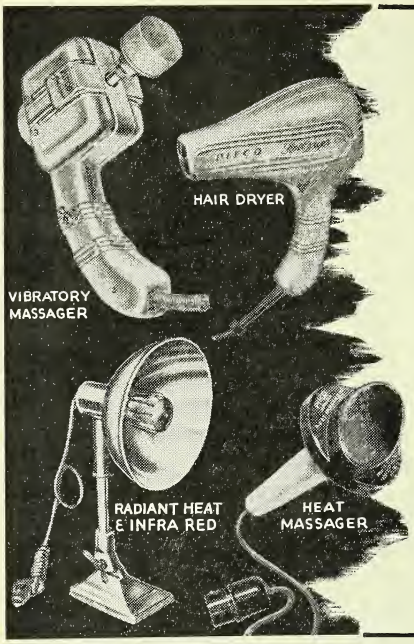

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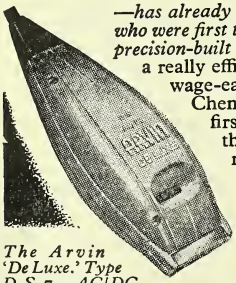

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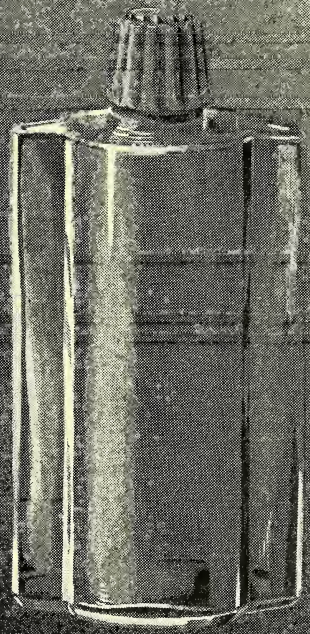

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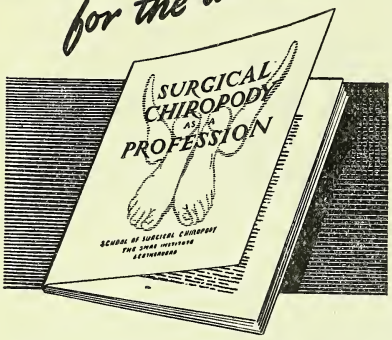

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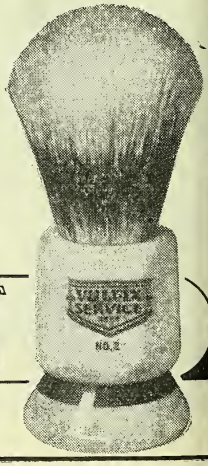

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How to help your customers choose a toothbrush

THERE'S no doubt that they'll need help. Very few people know what to look for, or how to tell good from bad. The next time your guidance is needed, here are some pointers :

NYLON OR BRISTLE?

Both have their supporters — often guided by dentists' advice. It's a point of interest, though, that 6 out of 10 toothbrush users prefer nylon to bristle. Remember, too, that bristle softens when wet — nylon doesn't.

NAME?

There's a lot in a trade name, as you know. Behind the name of Wisdom lie years of experience — we made the first toothbrush in 1780, so we should know something about it. So when you sell a Wisdom, either nylon or bristle, you know that you're selling the best. Wisdom Nylon 1/11. Wisdom Bristle 2/6.

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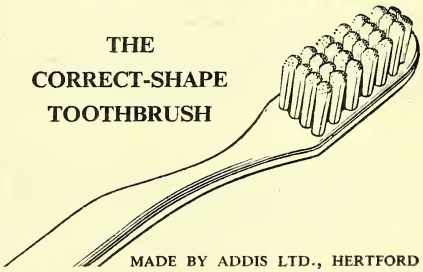
You've probably come up against this question a lot. A lot of people know that a bristle brush softens when wet — so they buy a bristle brush harder than they really need. But nylon stays hard — so sell them their Wisdom Nylon no harder than is necessary.

Wisdom REGD.

THE CORRECT-SHAPE TOOTHBRUSH



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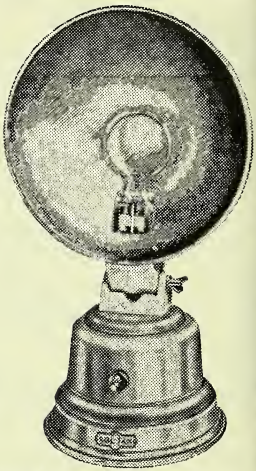

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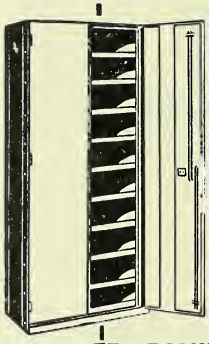

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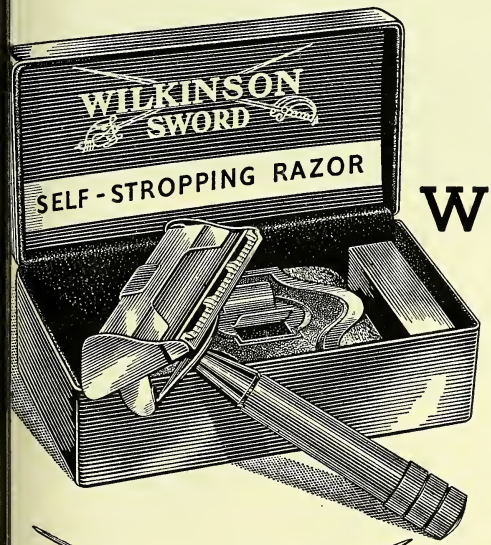

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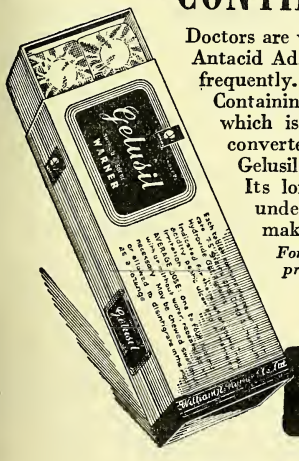

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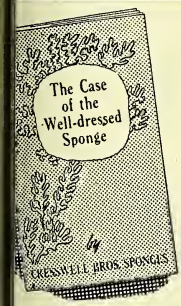

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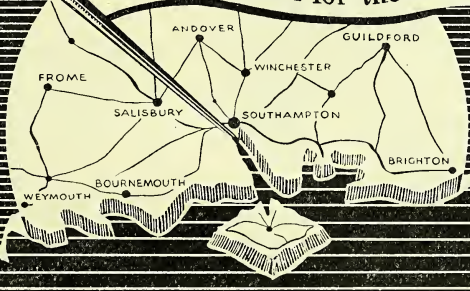

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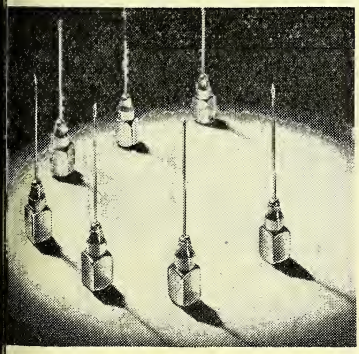

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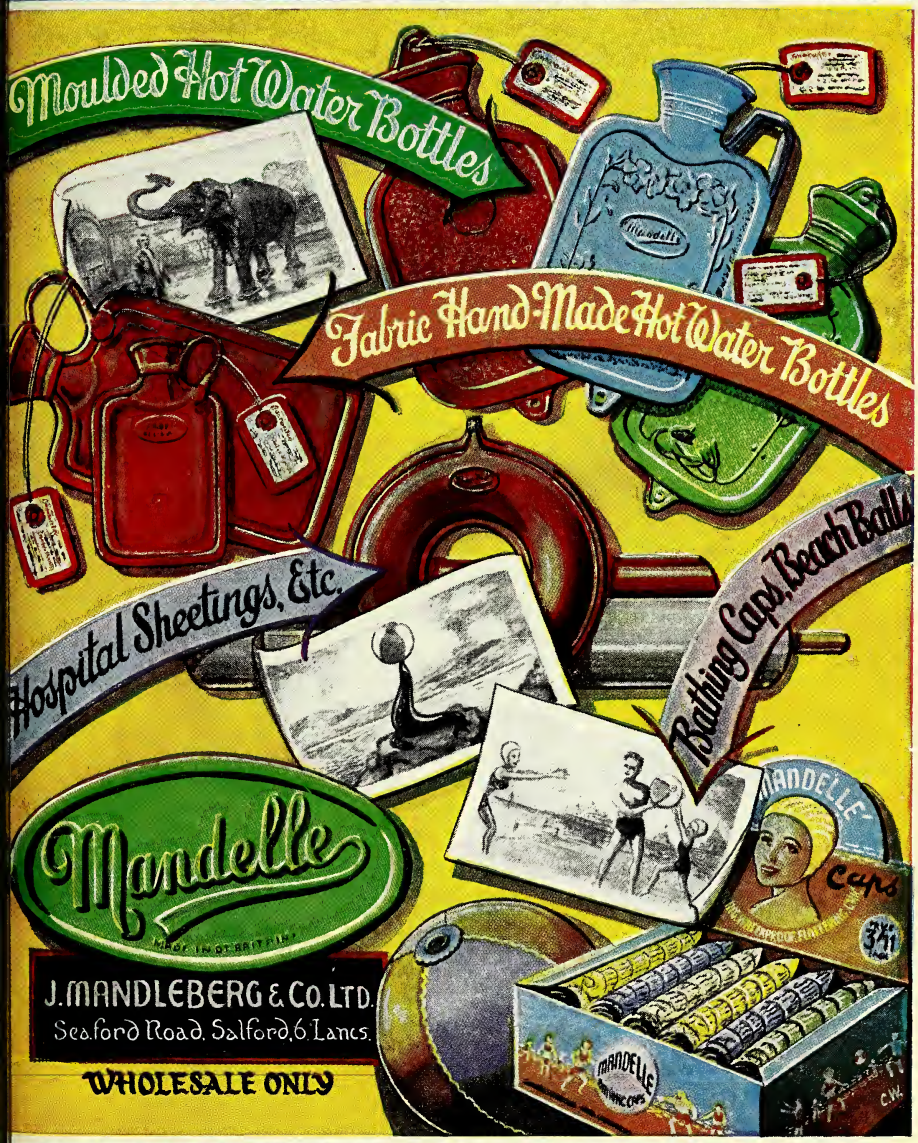
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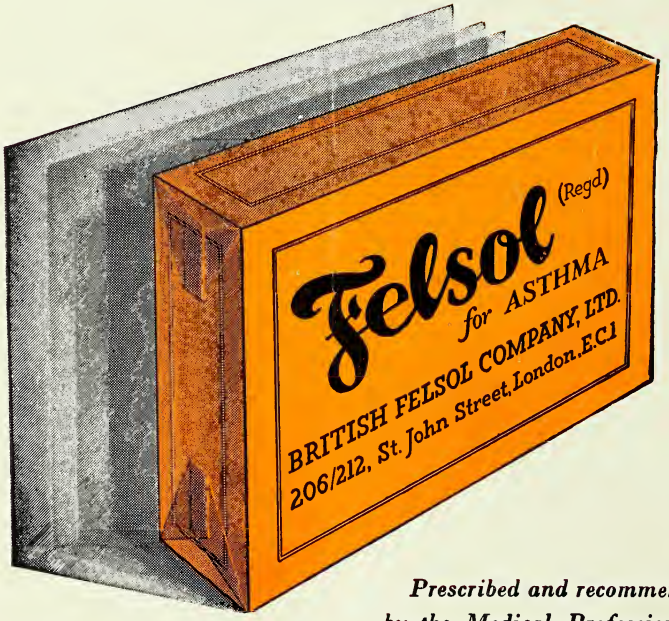

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